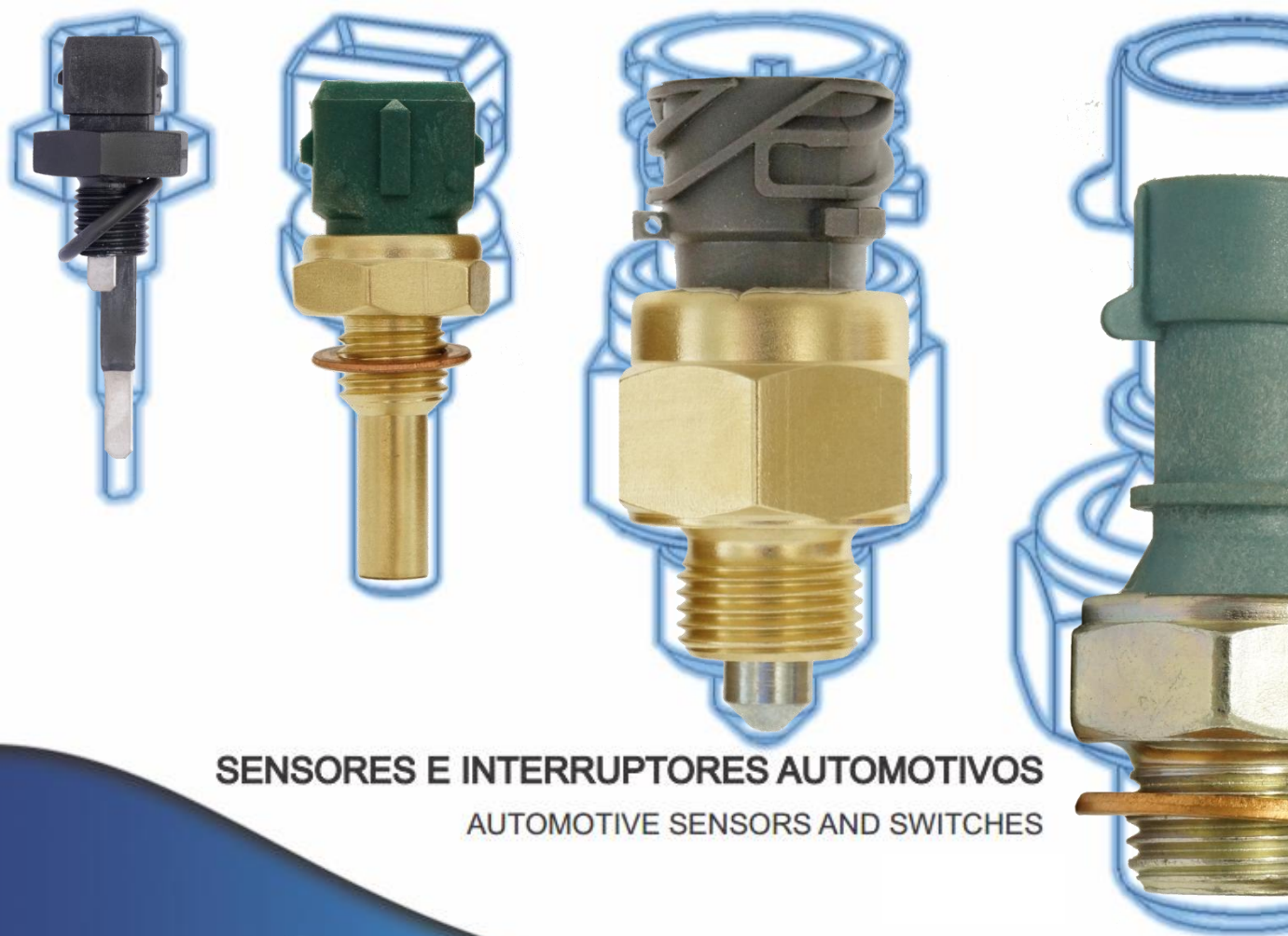


MA20

by



SENSORES E INTERRUPTORES AUTOMOTIVOS
AUTOMOTIVE SENSORS AND SWITCHES

CATÁLOGO 2016

0800

8015111010005

Agrale: Interruptor do hidraulico

NF
0,5 a 2,0 bar
M10X1,0K



0810

113945515C/H - 5063002018007

VW: Fusca Sedan, Bocho, Brasilia, Kombi
Todos os modelos bipolar, Gol, Voyage,
Atlantic, Parati, Saveiro, Passat, Santana,
Corsar, Quantum todos os modelos.
Agrale: trator todos os modelos

NA
3 a 6 bar
M10X1,0K



310

0813

758550

New Holland: Colheitadeira

NA
3 a 6 bar
M10X1,0K



0814

4410140210

Mercedes Benz: Onibus 1726 com cambio
Hidramatico Voith todos 0,5 bar NA.

NA
0,5 bar
M12X1,5



0815

4410140240

Mercedes Benz: Onibus 1726 com cambio
Hidramatico Voith todos 1,0 bar NA.

NA
1,0 bar
M12X1,5



0816

4410140230

Mercedes Benz: Onibus 1726 com cambio
Hidramatico Voith todos 2,5 bar NA.

NA
2,5 bar
M12X1,5



0817

ESHT13480AA - 4C4513480AA

Ford: Toda linha cargo a partir de 91.

NA
0,20 a 0,50 bar
1/4" NPTF



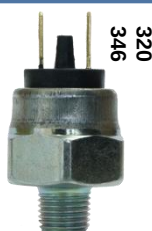
313

0820

7119267 - 7710824 - A0005450109 - A3455457209
5063002018007 - DQ09686 - 160660

Fiat: Onibus e Caminhão 1983
Mercedes Benz: Onibus e Caminhão
Agrale: Todos
John Deere: Tratores
Valmet: Tratores 93>

NA
3 a 6 bar
M10X1,0K



320
346

0821

FT16945525

VW: Caminhões 8.140 pedal da embreagem



321



NA
M18x1,5

0824

8614A018 – MR141211

Mitsubishi: Lancer, Triton, Outlander com Cambio automatico.



410



0826

XC45-13480-BA

Ford: Cargo 712, 814, 815, 815S, 915, 1217, 1317, 1317E, 1417, 1517, 1517E, 1617, 1630, 1717, 1717E, 1621, 1622, 1721, 1722, 1722E, 1731, 1832E, 1932, 2422, 2422E, 2622, 2622E 2425, 2428, 2428E, 2626, 2628, 2630, 2631, 2632, 2632E, 2932E, 3132, 4030, 4031, 4432E, 4532E, 6332E.

326



NF
M18x1,5

0831

113945515D/G – 1139455151 - 6020451

VW: Fusca Sedan, Brasilia, Kombi, Karman Guia, Puma, Variant, TL, TC, SP11, Bocho.
Gurgel: com motores VW todos os modelos BR800.

NA/NF
0.5 a 1.5 / 5,5 a 7,5 bar
M10X1,0K

330



0832

0B00166490B – DX5066490 – KKY0166490 – MDX5066490 – B00166490 – B00266490 – UH7166490 – MB435457
MB229024 – MR122560 – 3774060A00 – 3774060D01 – 8434001010 – 8434028010 – 8434030030 – 8434032010
8434032030

Daihatsu: Cuore, Move, Sirion, Terios, YRV

Kia: Avella, Besta, Carens, Carnival, Clarus, K2500, K2700, Pregio, Pride, Retona, Rio, Sephia, Shuma, Sportage.

Mazda: 121, 323, 323C, 323F, 323P, 323S, 626, 929, B-Serie, BT-50, Demio, E-Serie, MPV, MX-3, MX-5, MX-6, Premacy, RX7, Xedos 6 .

Mitsubishi: L200, L200 2.0, 2.5D, Colt, Eclipse, Galant, Grandis, Lancer, Lancer Monteiro, Outlander, Pajero, Pagero Sport, Pajero todas, Space Runner, Space Star, Starion, 3000GT.

Suzuki: Swift 1.0, 1.3, 1.6, Vitara, Sidekick.

Toyota: Camry, Carina, Celica, Corolla, Hilux, 4 Runner, Land Cruiser, Land Cruiser 80, Previa, Starlet, Tercel.

NF
M10X1,25

332



0840

1997725 – 94624834 - 02290037001

GM: C10, C60, Veraneio.

Caio: interruptor da porta onibus urbano até 09/13

340



NA
3,0 a 6,0 bar
1/8" NPTF

0850

17013

Ford Willys: Aero, Itamarati, Rural, Jipe

350



NA
3,0 a 6,0 bar
1/8" NPTF

0854

7700414988

Renault: Todos quadripolar botão auto regulavel.

354

LANÇAMENTO



0855

7700414986

Renault: Todos bipolar, Master todos

355

LANÇAMENTO



0857

1J0927189

Audi: A3

VW: Gol, Golf, Fox todos os modelos bipolar embreagem do gol geração 3.

357

NA



0860

A3645457109

Mercedes Benz: Caminhões 1313, 1513, 2213, 2314, 2414, 2318, 2418, 1924, 1929, 1930, 1932, 1933, 1934 interruptor de freio de mão a ar Comprimido.

360

NF
M16X1,5
M27X1,0



0862

453421 - 453451

Peugeot: 206

362

NF



0863

453411 - 96040821

Citroen: Xsara, Berlingo todos, Xsara Picasso A partir de 2000.

Peugeot: 106, 206, 306, 405, 406.

363

NF



0864

A3645457309

Mercedes Benz: Onibus 371R, 371RSD, 371 1P.

364

NF
M12X1,0
M27X1,0



FUTURO
LANÇAMENTO

0865

A3845457014

Mercedes Benz: Caminhões e Onibus 0400, 1214, 1618 freio motor.

NA
M14X1,5
M27X1,0



365

0866

A0005454909

Mercedes Benz: Caminhões 1924, 1929.

NF
M12X1,0
M27X1,0



366

0867

1J0945511A/B/C/D/E/F - 3B0945511A/B 6Q0945511

VW: Gol, Golf, Fox todos os modelos quadripolar, Bora, Polo, Gol G3 com acelerador eletrônico, Gol G5, New Beetle 1.9 TDI e 2.0i.

Audi: A3 1.6i/1.8i 20V, Quattro 1.8i 20 96>, S3, Quattro 1.8i 20V 91>

NA/NF



367

0870

ZBA945515A

VW: Fusca, Bocho, Brasília gasolina 82, Gol, Voyage, Parati, Saveiro, Atlantic, Corsar, Passat, Santana, Quantum todos Os modelos interruptor mecanico..

NF
M12X1,25



370

0871

90059582

GM: Corsa Wind/Sedan/Super/GL/Pick-up/ Wagon, Chevy, Chevette Hatch, Junior, Marajo, Opala Comodoro, Diplomata, Caravan, Omega, Suprema, D20/40/60 85/92.

NF
M12X1,5



371

0872

4345643 - 210137200000

Fiat: 147, Oggi, Spazio, Elba, Panorana, Fiorino, Furgão, Uno Mille alcool/gasolina.
Lada: Niva

NF
M12X1,5



372

0873

69541

Ford: Corcel/Belina I e II, Del Rey, Scala, Pampa todos os modelos. F100/350/1000/4000 até 91.

NF
M14X1,0



373

0874

A3085457009

Mercedes Benz: Onibus urbano, L608, L609.

NF
M12X1,0



374

0875

71BB13480AD

Ford: Escort, Verona, Topaz todos os Modelos.
VW: Apollo

NF
M12X1,75



375

0876

90196375 - 90504499

GM: Celta, Corsa, Prisma 1.4, Astra Wagon, Calibra, Kadett, Ipanema todos os modelos, D20/40/60 93/97, Vectra a partir de 98, Astra A a partir de 99, Zafira pedal de embreagem.
Daewoo: Espero 1.8 e 2.0.

NF



376

0879

191945515

Ford: Versailles, Royale todos os modelos
Seat: Cordoba, Ibiza
VW: Santana, Corsar, Quantum, Parati, Gol, Polo Classic, Golf todos os modelos



379

NF

0880

T15945515

VW: Caminhões e Onibus todos os modelos, 18310, Titan, 1518 eletrônico.



380

NF
M12X1,25

0881

3S6513480AA - 82GB13480AA - 547945515A

VW: Apollo, Logus, Pointer todos os Modelos
Ford: Escort 93/02, Mondeo, SW, Verona, Ecosport, Topaz, KA/Fiesta 95/06, Courier, todos os modelos.



381

NF

0886

BD7T13480A - TJG945515

Ford: Caminhões F7000, F9000 após 77, F12000, F14000



386

NA
3 a 6 bar
1/4" NPTF

0888

6885457109 - 6935457309

Mercedes Benz: 0400, 709, 1518, 1618, 1620, Sprinter.



388

NF
M12X1,0

0894

3845457209 - A6935457109

Mercedes Benz: Onibus e Caminhões Todos com plug de encaixe, L1218, L1418, L1721.



394

NF
M12X1,25

0895

8434098002

Toyota: Bandeirante, Pick-up e Jipe



395

NF
M12X1,25

0896

MB953385 - 4405731 - 7700785258
308709419

Mitsubishi: Carisma, Space Star
Opel: Arena
Renault: 19, 21, Clio, Espace, Laguna, Rapid, Safrane, Trafic, Twingo todos.
Volvo: S40, V40



396

NF

0897

7700849783

Renault: Modelos com cambio automatico



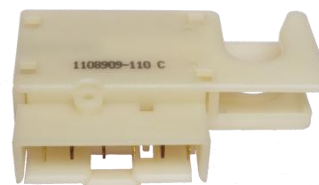
397

3 terminais
NA/NF

0898

15714137

GM: Blazer e S10 freio ABS



398

NF/NF/NA

1000

T2D919370

VW: Caminhões 7.90, 7.110 87/94

2004S



M14X2,0

1001

TJG919370 – A3845427217

VW: Caminhões leves, medios e pesados todos 94/>
Ford: Caminhões todos 94/>
Mercedes Benz: Caminhões

2001S



1/4``NPTF

1002

2R0941038

VW: Caminhões todos 2004/>

2002S



1/4``NPTF

1003

A6955457032

Mercedes Benz: Caminhões e Onibus todos 96/>

2003S



M14X1,5

for

2401

0139415211 – 013945415A

VW: Gol, Parati, Saveiro todos os modelos
Com motor AT e com plug de encaixe
geração 4.

Caminhões Titan 18310

Ford: Royale, Versailles todos os modelos

NA
M18X1,5



4423

2402

5801996742 – 5801472603 - 0501219286

Iveco: Toda linha Daily a partir de 2002
Com transmissão ZF 6S-420

NF
M12X1,0



2411

11194115211

VW: Fusca Sedan, Bocho, Brasília, Kombi,
Variant I, Variant II, TC, TL, Puma.
Todos os modelos.

NA
M18X1,5



4411

2412

21213710180

Lada: Laika, Niva, Samara

NA
M16X1,5



4412

2413

A3445450106 – A3455457006

Mercedes Benz: Caminhões e Onibus
OH1313, 0326, 0362, 0364, 1214, 1618.

NA
M18X1,5
M24X1,0



4413

2414

A0005458714 – 1414988 - 1662830

Mercedes Benz: Caminhões e Onibus
0370, 0371.

Scania: Caminhões e Onibus

Volvo: Caminhões e Onibus B10M

NA
M24X1,0



4414

2415

8421098002

Toyota: Bandeirante Pick-up, Jipe
todos os modelos.

NF
M18X1,5



4415

2416

A0015451091 – A0005457909 – A0015455309
A0015451109 – A0015452709

Mercedes Benz: Caminhões 709, 1214,
1218, 1418, 1420, 1417, Atego 1418
6 marchas

NF
M12X1,0
M27X1,0

for



4416

2417

A0005457106 – A0055457106 – ZF0501313916

Mercedes Benz: Caminhões 1618, 1620,
2428, 2423 com transmissão ZF 9S-75

NF
M18X1,5
M27X1,0



4417

2418

A0015454714 – A0015458214 - 1303471

Mercedes Benz: Caminhões 2635 6x4 com Bloqueio diferencial e cambio S6-1550
Scania: Caminhões 113, 112 10 marchas 92/97

NF
M18X1,5
M27X1,0



4418

2419

75MU15520A

Ford: Corcel I, Belina I de 71 a 77 todos os modelos.

NF
M18X1,0



4419

2420

A0045452714

Mercedes Benz: Sprinter

NA
M30X1,5
M27X1,0



4420

2421

A0005457506 - 0501204721

Mercedes Benz: Caminhões 1621, 1721, 1417

NF
M18X1,5
M27X1,0



4421

2422

0149415211

VW: Gol, Voyage, Atlantic, Saveiro, Parati, Santana, Corsar, Quantum, Passat todos os Modelos com cambio de 5 marchas.
Ford: Royale, Versailles, Del Rey, Pampa todos s modelos.

NA
M18X1,5



4422

2424

FT16945525 – 85HU2W067AA
BC452W067BB

Ford: F1000, F4000, F12000, F14000, Cargo 1317, 1517, 1521, 1717, 1722, 2422, 2622, 2428, 2628, 1932, 2632, 3132, C1317, C1517, C1521, C1717, C1722.
VW: Caminhões/Onibus 12140H, 14150, 14200, 14220, 16170, 16180, 16210, 16220, 24220, 24250, 35300, 8.140 pedal da embreagem.
Agrale: Caminhões MA8.0, A8, MA8000, MA9.0, MA7.9, MT12, MT15

NA
M18X1,5



4424

2426

7700778781

Renault: Traffic, Clio, Twingo.

NF
M16X1,0



4426

2427

A0035451614 – A0015454414

Mercedes Benz: Caminhões LS1932, LS1934, e LK 1218, 1418, 1620, 1935, 2217, 2635.

NA
M18X1,5
M27X1,0



4427

2428

02T945415 D/E/K/L/P/Q

Audi: A1, A2, A3, TT
Seat: Alhambra, Altea, Altea XL, Cordoba, Ibiza, Leon, Toledo.
VW: Fox, Gol/Voyage G5, Polo, Golf, Bora, Caddy, Jetta, Lupo, Multivan, New Beetle, Passat, Passat CC, Sirocco, Sharan, Spacefox, Tiguan, Touran, Transporter.

NA
M12X1,5



4428

2429

225740 - 01E941521 – 96018110 – 9609352480
225734 – UMB10001 – UMB100050

Citroen: Jumper
Peugeot: 106, 205, 206, 306, 405, Boxer 2.8
Iveco: Daily
Rover/ Land Rover:

NA
M14X1,5



4429

2430

225741 – 96018108 - 225733

Citroen: C15, Xantia, ZX, XM, Xsara, Berlingo.
Peugeot: 106, 205, 206, 306, 309, 405, 406, 605, 806, Partner.



4430

NA
M14X1,5

2431

0317640A

Hyundai: Topic
Kia: Besta



4431

NA
M14X2,0

2432

91317640

Kia: Besta 2.2



4463

NA
M14X2,0

2433

5994949

Fiat: 147, Oggi, Uno, Spazio, Panorama, Elba, Premio, Fiorino, todos os modelos até 11/91



4433

NA
M14X1,5

2434

7580599 - 5997492

Fiat: todos os modelos com injeção eletrônica após 11/91 exceto Tempra.



4434

NA
M14X1,5

2435

7588520

Fiat: Palio, Weekend, Tempra, SW, Tipo, Siena, Stilo, Linea, Brava, Duna 1.6 ie, Doblo, novo Uno Evo/Way todos com injeção eletrônica.



4435

NA
M14X1,5

2436

YA4351150

AgriTech / Yanmar: Caixa de transmissão Tratores 1235, 1250.



LANÇAMENTO

NA
M16X1,5

2440

M474114 – MW30899625 – 3200500QAA – 4410080 – 4414385 – 7700422630 – 7700778780 – 7700802640 – 30899625 34741140

Mitsubishi: Carisma, Space Star
Nissan: Interstar, Kubistar, Primastar
Opel: Movano, Vivaro

Renault: 19, 21, Avantime, Clio, Espace, Kangoo, Laguna, Master, Megane, Modus, Rapid, Safrane, Scenic, Super 5, Trafic II, Twingo.

Volvo: 440, 460, 480, S40, V40



4440

NA
M14X1,5

LANÇAMENTO

2441

A0015451709 – A0015454709 – A0015457409

Mercedes Benz: (Ré, neutro, tucho, tomada de força). **Accelo** 1016, 915C, **Actros** 2544 6x2, 2546 6x2, 2548 6x2, 2644 6x4, 2646 6x4, 2648 6x4, 2651 6x4, 2655 6x4, 2660 6x4, 4144 8x4, 4844 8x4, 4848 8x4, Atego 1315, 1418, 1419, 1518, 1718, 1719, 1723, 1725, 1725 4x4, 1726 4x4, 1728, 1729, 2423 6x2, 2425 6x2, 2426 6x2, 2428 6x2, 2429 6x2, **Atron** 1319, 1624, 2324 6x2, 2729 6x4, **Axor** 1933, 1933 Euro 5, 2535, 2036, 2040, 2041, 2044, 2533 6x2, 2533 6x2 Euro 5, 2535 6x2, 2536 6x2, 2540 6x2, 240 6x2 Euro 5, 2541 6x2, 2544 6x2, 2544 6x2 Euro 5, 2640 6x4, 2641 6x4, 2644 6x4, 2644 6x4 Euro 5, 2825 6x4, 2826 6x4, 2828 6x4, 2831 6x4, 2831 6x4 Euro 5, 3340 6x4, 3341 6x4, 3344 6x4, 3344 6x4 Euro 5, 4140 6x4, 4141 6x4, 4144 6x4, 4144 6x4 Euro 5. **Onibus** 0500M 1725, 0500M 1726, 0500M 1728, 0500M 1826, 0500RS 1636 Euro 5, 0500RS 1735, 0500RS 1833, 0500RS 1835 Euro 5, 0500RS 1836 Euro 5, 0500RSD 2036, 0500 RSD 2042, 0500RSD 2236, 0500RSD 2336, 0500 RSD 2436 Euro 5, 0500RSD 2442, 0500RSD 2443 Euro 5, 0500RSD 2736, 0500RSD 2736 Euro 5, 0500RSD 2742, 0500RSD 2743 Euro 5, 0500U 1723, 0500U 1725, 0500U 1726, 0500 U 1826, OF1115, OF1218, OF1219, OF1417, OF1418, OF1519 Euro 5, OF1721, OF1721 Euro 5, OF1722, OF1723, OF 1724, OH1418 eletrônico, OH1420, OH 1518, OH1519, OH1520, OH1521, OH1523, OH1621L, OH1622L, OH1623L, OH 1626L. **Caminhões:** 1215C, 1318, 1718, 1718M, 1938, 1938 6X2, 1944, 2428 6X4, 2726 6X4, 2726B 6X4, 2726K 6X4, 915E, L1638, L2638 6X4, L1218 eletrônico, L1620 4X2, L1620 eletrônico, L1620 6X2 mecânico, L1622 4X2, L1622 6X2 eletrônico, L1624 4X2, LK1218 eletrônico, LK 1620, LO914, LO915, LO915 eletrônico, LS1938, LS2638.

NF
M20X1,5

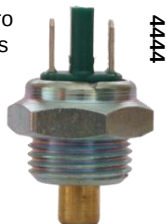


2444

0819415211

VW: Gol, Parati, Passat, Voyage e Saveiro
Todos os modelos com cambio 4 marchas

NA
M18X1,5



2445

225742 – 225743 – 9633875680 – 9659870380
9662906780 – 320054913R – 8200209496
8200771472

Citroen: C3, Jumper, DS3, DS4, DS5, Xantia,
XM, Saxo, Xsara.

Fiat: Ducato

Peugeot: 106, 206 1.4/1.6, 207, 208,
306, 307, 308 1.6, Boxer 2.8.

Renault: Sandero, Logan.

NA
M14X1,5



2447

1662926 – 20853399 – 21095380 – 21318083
85116453 - ZF0501210059 - ZF0501215297

Volvo: EDC 96, FH12, NH12 com
cambio ZF.
Luz de neutro.

NF
M18X1,5



2451

55203408

Fiat: Siena, Siena 500 anos, Weekend, Palio
todos com cambio de 6 marchas. 1999>2000
Fiat 500 1.4 e 1.6 2010/2011, Gran Siena
Attractive Flex/tetrafuel 1.4 MPI 8V, 4p
2013/2015 ..., Novo Palio Attractive Flex 1.4
MPI 8V e Fire 4P 2012>2015..., Doblo Elx
1.6 MPI 16V BZ 2P 2001>2005

NA
M18X1,5

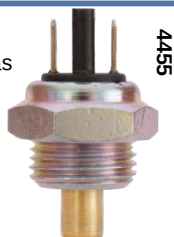


2455

79NU15520A – BD9M15520A

Ford: Corcel, Belina II, Del Rey, Scala,
Pampa todos os modelos com 5 marchas

NA
M18X1,5



2458

6007011346003 – 3315631 – 6L5Z15520A – 88HU15520AA – C9TZ15520C – F4TB15520AA – A0005458206
A0055457314 – TJG312115 – TJG941521

Agrale: 6000/7500 MWM 4.10 TCA, 7500, 8500, 9200, Furgovan 8000, MA 7.5, MA 7.9, MA 8.5, MA 9.2, MA 10, MA 10.0, Volare A8 e W8.

Ford: F4000, F12000, F14000 93/98, Cargo leve eletrônico 2005 e mecânico 1996, Cargo médio/pesado eletrônico 05/11 e mecânico 91/06, novo cargo médio/pesado, Onibus B 1618, B 1621, Ranger V6 2.5 diesel, Explorer 92/00.

GM: caminhão 6.150

International: 4900

Iveco: 150T

Mercedes Benz: Caminhão 710, Accelo 915C, Onibus LO712, LO812, LO814.

VW: 7.100, 8.120, 12.140T, 13.150, 13.180, 15.180, 17.210, 17.300, 17.310, 23.310, 24.220, 24.250, 26.220, 26.260, 26.300, 31.260, 31.310, 35.300, 40.300.

NA
9/16"X18UNF



4458

2459

4846676

Iveco: Daily 35-10 turbo

NA
M12X1,5



4459

2461

3348746 – BG1T15520A

Ford: Ranger 2.8 e 3.0 diesel, 2.3 gasolina.

Eaton:

NA
M12X1,5



4461

2463

0015451209 – 0015452809 - 0055458009

Mercedes Benz: 814, 914, 1114, 1218, 1418, caixa G3 55

NF
M12X1,0
M27X1,0



4432

2466

7316598 - 93236444

GM: D20, D40, D60, Chevette, Hatch, Junior, Marajo, Chevy 500, Opala, Diplomata, Comodoro, Caravan todos os modelos, S10 e Blazer 2.2, 2.4, 2.5 95/01, Silverado.

NA
M14X2,0



4466

2467

TE3941521

VW: Onibus e Caminhões até 86

NA
M14X1,5



4467

2468

TE6941521 – 15566155

VW: 7.110S, 7.90S, 11.130, 12.140, 12.170, 13.130, 14.140, 14.150, 16.170, 16.180, Onibus e Caminhões após 86.

Ford: F1000, F4000, F7000, F11000, F12000, F14000.

GM: GMC 6.100, 6.150, 12.170, 14.190, 15.190, 16.220 cambio Eaton

NA
M14X2,0



4468
4480

2469

C9TZ15520C – 88HU15520AA – 6L5Z15520A
F4TB15520AA - 3003451

Ford: Onibus B1618, B1621, Caminhões Cargo todos, F1000, F4000, F12000, F14000, Ranger V6 e 2.5 diesel.

VW: Onibus e Caminhões

Eaton:

NA
9/16"X18UNF



4469

2470

23049569

GM: S10 6 cil. , Blazer 2.8, 4.3 a partir de 96.

NA
M16X1,5



4470

2476

31355810 – 80442200 – 80542100 - 190630

Valtra: Trator Valmet 110 e BH
Eaton: caixas FSO1305A, FSO1305B, FSO2305B, FSO2405B, FSO2405J, FSO2405K.



NA
M12X1,5

2477

90069100 - 93213040

GM: Monza, Monza Hatch, Cavalier, Kadett, Ipanema, Omega, Suprema, todos os modelos



NA
M12X1,5

4477

2478

90245033 – 90482454 – 93329852 - 93371760 – 94770529

GM: Corsa (Wind. Sedan, Wagon e Pick-up), Calibra, Tigra, Vectra, S10, Blazer (diesel/gasolina), Meriva, Zafira, Montana, Prisma, Agile, Astra.

Eaton: Caixas Eaton: FSO1305A, FSO1305B, FSO2305B, FSO2405B, FSO2405J, FSO2405K.

Mitsubishi: L200 R competição.

TAC: Stark

Troller:

NA
M12X1,5



4478

2479

547941521

VW: Apollo, Logus, Pointer todos os Modelos com injeção eletrônica
Ford: Escort, Perua SW, Verona, Topaz todos os modelos com injeção eletrônica.



4479

NA
M12X1,5

2488

77FG15520AA

VW: Apollo 1.6

Ford: Escort, Verona, Topaz 1.6
 Todos os modelos



4488

NA
M16X1,5

2489

97FG15520AA – YS6115520AB
 2N1515520AA

Ford: Escort 97/02, Mondeo, SW, KA, Fiesta, Courier, Focus 00/09, Ecosport.



4489

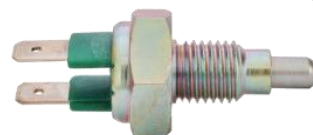
NA
M16X1,5

2499

020941521A

VW: Apollo todos os modelos

Ford: Escort, Verona, Topaz 1.8 todos os Modelos.



4499

NA
M12X1,5

7700

0005454509 – 00055456009 – 3645457409
422208 - 298004

Mercedes Benz: Onibus e Caminhões,
0370, 0374, 1114, 1118, 1314, 1318, 1514,
1518, 1520, 1524, 1924, 1929, 1933, 1934.
Scania e Volvo:

NA
0,1 a 0,6 bar
M12X1,5
M27X1,0



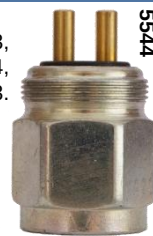
5500

7701

A3445457114 – A0015454114

Mercedes Benz: Onibus e Caminhões,
1113, 1114, 1115, 1116, 1118, 1214, 1313,
1314, 1316, 1317, 1318, 1418, 1513, 1514,
1516, 1517, 1518, 1618, 2013, 2017, 2213.

NA
0,8 a 1,2 bar
M12X1,5
M24X1,0



5544

7702

A3445457214 – A0005455414

Mercedes Benz: Onibus e Caminhões
(lâmpada piloto do reservatório), 1113,
1114, 1115, 1116, 1118, 1214, 1313, 1314,
1316, 1317, 1318, 1418, 1513, 1514, 1516,
1517, 1518, 1618, 2013, 2017, 2213

NF
5,0 a 6,0 bar
M12X1,5
M24X1,0



5533

7703

A3445457314 – A0005454314
6007011007001 – E064209

J.I. Case: Ar do freio carregadeira W20 e W36
Mercedes Benz: Onibus e Caminhões
Agrale: Ar do freio MA 8.5, caminhões
7600, 8500, Cabine 9200, Volare A8,
W8, Colombia

NF
5,0 a 6,0 bar
M12X1,5
M24X1,0



5522

7704

A3445457414 – A0005457914

Mercedes Benz: Onibus e Caminhões

NF
5,0 a 6,0 bar
M12X1,5
M24X1,0



5511

7705

A0005455214

Mercedes Benz: Onibus e Caminhões
1114, 1118, 1314, 1318, 1514, 1518,
1520, 1524, 1924, 1929, 1933, 1934.

NA
0,8 a 1,2 bar
M10X1,0
M24X1,0



5555

7766

532296

Scania: Onibus e Caminhões até 83
Comil: Interruptor da porta onibus urbano
todos

NA
0,1 a 0,8 bar
M12X1,5



5566

7777

T00945517

VW: Caminhões e Onibus

NF
3,5 a 4,5 bar
1/4" NPTF



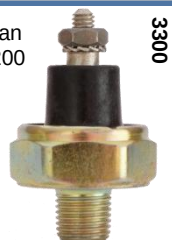
5577

8800

111919081

VW: Fusca Sedan, Bocho, Kombi, Karman
Guia todos os modelos com motor de 1200 CC

NF
0,2 a 0,45 bar
M10X1,0K



3300

8801

A6955427217

Mercedes Benz: Caminhões e Onibus
M96, 1214, 1418, 1620

NF
0,5 a 0,8 bar
M14X1,5



3386

8802

301030102100 – BT2239453

Valmet: Trator
Yanmar: Motores estacionarios

NF
0,5 a 0,8 bar
1/8" NPTF



3392

8803

1S7Z9278AA – 3M519278AB – 3S719278AB - 98AB9278CA
XS2Z9278CA – 4737666 – LR004410 – 1131J2

Ford: Fiesta, Courier, Ka, Focus, Focus
Automatico 05 /08, Focus Duratec 2.0 16V 05/08,
Ecosport todos com motor Zetec Rocam, Transit.
Land Rover: Motores V8 gasolina Discovery
3 e 4, Range Rover Sport,
Defender 2.2
Peugeot: Boxer 2.2

NF
0,30 a 0,55 bar
1/4" NPTF



3334

8804

84053657

New Holland: Colheitadeira

NF
0,9 a 1,4 bar
M14X1,5



8805

30102120 - 85677700

Valtra: Tratores todos os modelos
(sensor de pressão de oleo da caixa
de cambio)

NF
0,15 a 0,35 bar
M10X1,0K



3377

8806

887283760

Valtra: Trator todos os modelos

NF
0,8 a 1,2 bar
M10X1,0K



3318

8807

504310254

Fiat: Ducato Multijet 2.3

NF
0,3 a 0,7 bar
M14x1,5



3307

8808

75222348

Fiat Allis: 7D, 14CT, ID170 (interruptor de
Pressão do hidraulico) 1 bar.

NA
1 bar
M18X1,5



8809

YA7023900

Yanmar: Trator serie 1175

LANÇAMENTO



NF
0,8 a 1,2 bar
M10X1,0K

8810

1F2118501 – 1F2118501A – 1LSZ9278AA
1LSZ9278GA - 1U5Z9278DA – 1U5Z9278GA
6U5Z9278D – 6U5Z9278G – F8AZ9278DA

Ford: Motores Zetec a partir de 2008
(Courier, Ecosport, Focus, Ka, Fiesta),
Motores Sigma (Fiesta, Focus, Ecosport)
Edge a partir de 2008, Explorer 05/08,
F250 98/02, Ranger 01/03, Fusion 2.3 e
2.5, Mustang.
NA
0,30 a 0,55 bar
1/4 NPTF

LANÇAMENTO



3351

8811

65697 – 16764 – 71304698 - 114638RS

Ford Willys: Aero, Itamarati, Jeep, Rural
Willys 6 cil. 60/76
Chrysler: dodge 1800 79/
Hyster: Empilhadeiras todas.

NF
0,15 a 0,35 bar
1/8" NPTF



3311

8812

75322672

Fiat Allis: FG 140, FG 150, FG 200
(interruptor de pressão do hidraulico)
2 bar

NA
2 bar
M18X1,5



8813

8005111033088 – SLC6200

John Deere: SLC 6200, motor MB 352

Agrale: Trator

NF
0,2 a 0,45 bar
M10X1,0K



3313

8814

2R0919081 - 2R0906051D – BG5X9F479CA

vw: Caminhões com motores Cummins (8.150, 9.150,
15.170, 17.250, 24.250), Micro-onibus 8.150 motor MAN.
Ford: Cargo leve eletrônico a partir de 2005 e Pesado
eletrônico 05/11.(1317E, 1517E, 1717E,1722E,
2622E, 2628E, 2422E, 2428E)
Cummins: motores ISB 3.9 com dois interruptores
de óleo aplicado na parte inferior do motor.

NF
0,35 a 0,65 bar
M14X1,5

LANÇAMENTO



3348

8817

MN163743 – 1131K4 – 0011530632
0011531032 – 1221530032

Mitsubishi: Asx, Colt, Galant, Grandis,
Lancer, Sportback, Outlander, Pajero .

Smart: Forfour, Fortwo.

Citroen: C-Crosser

Peugeot: 4007

NF
0,10 a 0,30 bar
1/8" BSP

LANÇAMENTO



3314

8818

06A919081C – 036919081A – 036919081B
036919081D - 038919081H

VW: Gol, Voyage a Partir do G5, Fox, Polo
Spacefox, Kombi flex, Golf, New Beetle, Bora,
Jetta, Tiguan, Passat.

Seat: Ibiza 1.0 16V.

Audi: A3, A4, A6, TT

NF
0,15 a 0,35 bar
M10X1,0

LANÇAMENTO



3352

8820

6U5Z9278J

Ford: Escape, Fusion
Lincoln: Zephyr
Mercury: Mariner, Milan

NA
0,15 a 0,45 bar
3/8 NPTF



3301

8821

E9S29278A – 9SC9278AA – BF7T9278A

Ford: Ranger motor OHC 2.5 gasolina e
diesel a partir de 98, Ranger motor Maxion
2.5 diesel a partir de 98.

NA
0,20 a 0,50 bar
1/4" NPTF



3321

8822

89HU9278AA – B6A9278A – D6NN9278A

Ford: Jipe, Rural, F75 4 cil., Maverick 4 cil., F100, F350, F600, F4000, Trator todos os modelos.

NF
0,20 a 0,45 bar
1/4" NPTF



3322

8823

E6HT9278AA

Ford: Caminhão cargo

NF
0,15 a 0,35 bar
1/4" NPTF



for

8824

92BB9278AA – 90AB9278AB – 92BB9278BB

Ford: Escort, Mondeo, SW, KA, Fiesta, Courier, Maverick 4 cilindros .
Motores Endura e Zetec. Courier, Escort, Fiesta, KA, Mondeo, Maverick 4 cilindros

NF
0,20 a 0,45 bar
1/4" NPTF



3324

8828

BF8T9278AA – BF9T9278AA

Ford: F250/300/4000/12000/14000/16000
Todos com motor Cummins e motor MWM a partir de 98, Cargo 2426, 2628 traçado (novo).

NA
0,35 a 0,45 bar
1/4" NPTF



3328

8832

905782010060 – 545317 - 16257300200

MWM: Caminhões, Onibus, Compressores de ar, estacionarios com motores 3, 4, 6 Cilindros sem manometro.

Mercedes Benz: Caminhões e Onibus com Motor 311, 312, 1111, 1113 66/86.

Fiat-FNM: Caminhões D11000 todos

NF
0,20 a 0,45 bar
M10X1,0K



3332

8833

8005111033088 – 0015426917 – 0015427017
3455427117 - 3465427117 – R75786

Agrale / CBT / Valmet tratores

Mercedes Benz: 1113, 1114, 1115, 1116, 1118, 1214, 1313, 1314, 1316, 1317, 1318, 1418, 1513, 1514, 1516, 1517, 1518, 1618, 2013, 2017, 2213. Onibus, caminhões 312, 321, 1111, 1113 sem manometro.

Toyota: todos com motor Mercedes Benz

New Holland: Colheitadeira 4040/5050

NF
0,50 a 0,80 bar
M10X1,0K



3333

8834

7710824 - 82036588

Fiat: Panda 750, 900, 898i SPI, 900i 91/92, 903 91/92

New Holland: Tratores serie TL com motor Iveco, TL70A, TL80A, TL90A, TL100A.

NF
0,20 a 0,40 bar
M12X1,5



3309

8835

E064421 – BD7T9178AA - 5284268

Case:

Ford: Tratores 4 cil. , 4600, 5600, 6600

Poclain:

NF
0,20 a 0,45 bar
1/4" NPTF



3341

8836

A0145421617 – 125426617 – 73112 - 73159

Mercedes Benz: Sprinter diesel motor Maxion 1111, 1113

Gurgel: Todos com motor a ar.

NF
0,20 a 0,45 bar
M10X1,0K



3390

8837

90337836

GM: Omega 2.3 diesel 89/94, Omega 2.3 turbo diesel 89/94

NF
0,30 a 0,55 bar
M16X1,5



8840

93318082 – 90336039 – 93362638 – A113810010BC – 500312468 – 55202374 – 7084483 – 55202374

GM: Corsa, Pick-up Corsa, Kadett, Astra, Ipanema, Monza, Astra Wagon, Vectra, Calibra, Tigra, Meriva, Zafira, Montana, Prisma, Agile, Cobalt, Spin, Onix com Motores 1.0,1.4,1.6,1.8,2.0,2.2,2.4, Omega, Suprema, S10 2.8 diesel sem indicador de Pressão.

Chery: Tiggo

Fiat: Stilo, Punto, Ducato, Brava, Strada, Siena, Doblo, Idea, Palio com motores 1.6,1.8, Marea todos.

Jeep: Renegade

NF
0,30 a 0,55 bar
M14X1,5



3374

8841

2SL919081 – XC459278AA

Ford: Caminhões F12000, F14000 93/98, Cargo 712, 814, 815, 815S, 915, 1215, 1415, 1217, 1317, 1417, 1517, 1617, 1421, 1521, 1621, 1721, 2421, 1622, 1722, 2422, 2622, 3222, 2425, 2426, 2626, 2631, 1731, 2831, 4031, 4331, 5031.

NF
0,35 a 0,65 bar
M10X1,0K



3343

8842

98469129

Fiat-Iveco: Daily 35.10 Van e Furgão

NF
0,40 a 0,60 bar
M14X1,5



3349

8843

98442879 - 98445111

Fiat-Iveco: Eurocargo, Euroclass, Eurorider, Eurostar, Eurotech, Eurotracker, Stralis, Cursor.

NF
0,6 a 1,0 bar
M14X1,5



3342

8844

86AU9278AA – 0299190813 – 029919081B
79MU9278A – 021919081B - 210138100600

VW: Gol, Voyage, Atlantic, Parati, Saveiro c/ motor AE todos os modelos.

Ford: Corcel, Belina I e II 78, Del Rey, Scala, Escort L, GL, Guia, XR3, Pampa a partir de 82 Todos os modelos

Lada: Niva 1.6 4WD.

NF
0,20 a 0,50 bar
M14X1,5



3344

8845

7502811 – 75224069 - 4372485

Fiat: 147, Oggi, Premio 85, Spazio 77, Elba Weekend 86/63, Panorama 83, Fiorino 80, Europa, Furgão, Uno </91 todos os modelos.

Fiat Allis: Tratores

NF
0,20 a 0,50 bar
M14X1,5



3345

8846

7705830 - 55202374

Fiat: Uno Mille, Elba, Tipo, Idea motor 1.4, Tempra, SW todos a partir de 92, Palio, Palio Weekend, Siena, Strada, Punto, 500, Doblo, Fiorino, Idea.

NF
0,20 a 0,50 bar
M14X1,5



3346

8847

79855165

Fiat: Caminhões

NF
0,20 a 0,45 bar
M12X1,5



3347

8848

BG5X9F479CA – 2R0906051D – 2R0919081

Cummins: Motores ISB 3.9 com 2 Interruptores de óleo aplicado na parte inferior.

Ford: Cargo Leve eletrônico 05/11 (1317E, 1517E, 1717E, 1722E, 2622E, 2628E, 2422E, 2428E

VW: Caminhões com motores Cummins (8.150, 9.150, 15170, 17250, 24250), Micro onibus 8-150 motor MAN

NF
0,25 a 0,45 bar
M14X1,5



3348

8850

7710826

Fiat: Todos os modelos com motor Diesel 1300CC

NF
0,20 a 0,40 bar
M14X1,5



3350

8851

30102110

Valtra: Trator Valmet

Agrale: 4100, 4200, Bobcat

for

NF
0,15 a 0,45 bar
M10X1,0K



3337

8852

021369T1

Maxion: Trator 9150, 9170

NF
0,30 a 0,50 bar
M14X1,5



3312

8853

**E6HT9278AA – 89HU9778AA – B6A9278A
D6NN9278A**

Ford Tratores: New Holland serie 10

Ford: F4000, Pick-Up caminhões linha F gasolina, Caminhões Cargo

Dynapac: Compactadores modelos CA-15, CA-25

NF
0,5 a 0,83 bar
1/4" NPTF



3323

8854

26697

Massey Ferguson: Linha Advanced 250, 255, 5200, Colheitadeira

NF
0,8 a 1,2 bar
1/8" NPTF



8855

**752585 – E062038 – 822682
73079 – 94600398**

GM: D10, D20, D40, D60, D70

Toyota: motor 14B sem mostrador de pressão

Clark, Case, Hyster: empilhadeiras com motor Perkins

Mercedes Benz: Caminhões e Onibus

NF
0,14 a 0,42 bar
1/8" NPTF



3335

8856

**7511028 – 4296603 – 4444650
5940619 - 82380085**

Fiat / Lancia: Todos os modelos com manometro

NF
0,20 a 0,50
M14X1,5



3356

8860

068919081A – 1669964 - 95VW9278CA

VW: Golf, Passat 1.6, 1.9, Jetta, Caddy 1.6, Polo 1.4, 1.9, Vento, Caravelle todos a diesel

Audi: 80, 90 1.6, 1.9, 100 2.0, 2.4, 2.5, A3 1.9, A4, A6 1.9, 2.5 todos a diesel.

Seat: Alhambra, Cordoba, Ibiza 1.9, Inca 1.7, 1.9 Terra 1400, Toledo 1.9

Ford: Galaxy 1.9 TDI

NA
0,75 a 1,05
M10X1,0



8861

068919081 - 1669989

VW: Golf 1.6, 2.8, Passat, Santana, Corsar, Polo, Classic, Coupe Quantum, Derby, corrado, Caddy, Rabbit, Scirocco, Transporter, Vento

Seat: Cordoba 1.6, Ibiza 1.3, 1.6, Toledo 1.6, 1.8

Ford: Galaxi 2.8i V6 95/00, Galaxi 2.8i V6 4x4 96/00

NA
1,20 a 1,60
M10x1,0



8862

95560609100 – 95560609101 – 06A919081A – 06A919081D – 06A919081E – 06A919081F – 06A919081J

Porsche: Cayenne

Audi: A3, A4, A6, A8, Cabriolet, Q7, TT todos (pressão do filtro de óleo)

Seat: Arosa 1.0i AHT98, Alhambra 1.9 TDI 99/00, Cordoba 1.6i, 1.8i, Leon 1.6i 16V, Leon 1.6 20V, Leon 2.8 V5, Toledo 1.8 20V AGN 00, Toledo 2.3 V501. (pressão do filtro de óleo)

VW: Golf, Bora, Passat Variant, Passat, Polo, Jetta, Tiguan, Caddy, Touareg, Phaeton, Scirocco, Sharan, Touran, Transporter, New Beetle, Lupo todos (pressão do filtro de óleo)

NA

1.2 a 1.60 bar

M10X1,0



3385

8863

38919081

Seat: Cordoba 1.9 00, Arosa 1.7, Inca 1.9, Alhambra 1.9, Leon 1.9, Toledo 1.9

VW: Gol G4 todos, New Beetle 1.9 98, Bora todos 99, Golf IV 1.6 99, Lupo 1.4, 1.7.

NA

0,6 a 0,8 bar

M10X1,0



8864

038919081H – 036919081A - 06A919081C
036919081B – 036919081D

Audi: A3, A4, A6, TT

Seat: Ibiza 1.0 16V

VW: Gol, Voyage G5 todos, Fox, Spacefox, Kombi flex, Polo, Golf, New Beetle, Bora, Jetta, Tiguan, Passat

NA

0,2 a 0,4 bar

M10X1,0



3387

8865

60513055 - 60568392

Alfa Romeo: Pressão de óleo do filtro
Alfa 155, 164 todos os modelos

NA

0,2 a 0,4 bar

M10X1,0



3367

8866

1606877

Volvo: Onibus, Caminhão serie 120, 140, 160, 220 61/75, DL, GL, GLT 1980.

NF

0,30 a 0,60 bar

1/8" NPTF



3366

8867

835336619

Valtra: Tratores Valmet

NA

0,80 a 1,2 bar

M10X1,0K



8868

532583 – E066180

Scania: Onibus BR-116, Caminhão L110, L111, LK140, LK141

Case:

NF

1,2 a 1,6 bar

M10X1,0K



3368

8869

0269190811 - 056919081C – 028919081D - 028919081H – 1026050GG010

Ford: Escort, Verona 1.8 90/92 todos os Modelos, Topaz, Royale, Versailles 1.8, 2.0

VW: Gol, Voyage, Passat, Atlantic, Parati, Saveiro, Santana, Corsar, Quantum, Apollo, Polo Classic, Golf, todos os modelos, Kombi Diesel, Corrado, Vento.

Seat: Cordoba, Ibiza

Jac Motors: J2, J3 1.4 16V

NF

0,15 a 0,45 bar

M10X1,0



3369

8870

021919081 – 0409190811 – CAE 919081

VW: Fusca Sedan, Kombi, Bocho, TL, TC, Variant I e II, SP II.

Gurgel: todos os modelos com motor VW a ar, BR800.

NF
0,15 a 0,45 bar
M10X1,0K



3370

8871

056919081D – 056919081E

VW: Pressão de óleo do filtro Golf, Bora, Passat, Polo, Polo Classic.

Audi: A3, A4

Seat: Cordoba, Ibiza

NA
1.6 a 2,0 bar
M10X1,0



3371

8872

0279190811 - 0309190811

Ford: Escort, Verona 92/>, Royale, Versailles 1.8, 2.0 todos com Injeção eletrônica

Seat: Cordoba, Ibiza

VW: Gol, Gol/Parati 1.0 turbo, Gol G4, Saveiro, Santana, Quantum, Logus, Apollo, Pointer, Polo Classic todos com motor 1.8, 2.0 ie, Gol AP 97/>, Gol 1.0 16V

NF
0,15 a 0,35 bar
M10X1,0



3372

8873

0299190812

Ford: Escort a partir de 92, Verona, Escort Hobby 1.6 CHT todos os modelos Com injeção eletrônica.

VW: Gol, Saveiro, Parati 1.6 CHT todos os Modelos com injeção eletrônica

NF
0,15 a 0,35 bar
M14X1,5



3373

8874

93318082 – 90336039 – 93362638 – A113810010BC – 500312468 – 55202374 – 7084483 - 55202374

GM: Corsa, Pick-up Corsa, Kadett, Astra, Ipanema, Monza, Astra Wagon, Vectra, Calibra, Tigra, Meriva, Zafira, Montana, Prisma, Agile, Cobalt, Spin, Onix com Motores 1.0, 1.4, 1.6, 1.8, 2.0, 2.2, 2.4, Omega, Suprema, S10 2.8 diesel sem indicador de Pressão.

Chery: Tiggo

Fiat: Stilo, Punto, Ducato, Brava, Strada, Siena, Doblo, Idea, Palio com motores 1.6, 1.8, Marea todos.

Jeep: Renegade

NF
0,30 a 0,55 bar
M14X1,5



3374

8875

25036849

GM: Astra, Celta, Corsa, Monza, Omega, Vectra, Blazer, S10 2.2 gasolina, Silverado Gasolina (Bomba elétrica) todos os Modelos tripolar.

NF/NA
0,20 a 0,35 e 0,35 a 0,60 bar
M14X1,5



3375

8876

7700771825 – 7700777660 - 7700417970

Peugeot: 206 1.0 16V

Renault: Clio, Megane, Scenic, R19, Trafic

NF
0,1 a 0,3 bar
M14X1,5



3376

8877

028919081D – 1026050GG10

VW: Corrado 2.0i 16V 93, Golf 93, Passat 94, Polo 1.5i 95/96, Vento 93/98

Jac Motors: J2, J3 1.4 16V

NF
0,15 a 0,35 bar
M10X1,0



8878

94603087 – 7324857 - 7100399 – 7103090
7113090 - 818565 - 752585

GM: Opala, Comodoro, Diplomata, Caravan, Puma GTB todos os modelos, A10, A20, A40, C10, C20, C40 65/75, Bonanza gasolina/alcool

Hister, Yale, Clark todos com motor GM gasolina

NF
0,14 a 0,42 bar
1/8" NPTF



3378

8879

94603087

GM: Opala, Comodoro, Diplomata, Caravan
Todos os modelos com terminal de encaixe
Renault: Kangoo

NF
0,14 a 0,40 bar
1/8" NPTF



3379

8880

37200590036 - 90018501C - 1258A003 - MD001481 - MD001482 - MD001483 - MD017430
MD021566 - MD021567 MD138993 - 3782073000 - 3782079600 - 3782082000 - 8353010010
8353010020 - 8353012010 - 8353012020 8353014010 - 8353014030 - 8353028030 - 8353030030

Honda: Civic

Kia: Besta, Carens, Carnival, Cerato, Joice, K2500, K2700, Magentis, Pregio, Rio, Sorento, Sportage

Mitsubishi: Galant, Lancer, L200, L300, Colt, Pajero, Triton, Space Wagon, TR4

Suzuki: Grand Vitara, Jimny, Swift, SX4, Sidekik, Vitara, Samurai, Alto, Baleno, Carry, Ignis, Liana, SJ 410, SJ 413, Super Carry, Wagon R, Wagon R+, X-90

Toyota: Camry, Corolla, Hiace, Hilux, SW, Land Cruiser, Liteace, Modell F, Starlet, Previa.

NF
0,20 a 0,45 bar
1/8" BSPTF



3380

8881

8335030060 - 15018501D - 086618501A
835303001020

Daihatsu: Aplause, Charade, Feroza

Hyundai: Topic

Kia: Besta

Mazda: 626/929 MX-3

Toyota: Camry, Hilux, Corolla, SW

NF
0,15 a 0,35 bar
1/8" BSPT



3381

8884

37240PD2003 - 1111094750 - 2524089900

Honda: Accord, Civic, Prelude

Hyundai: Accent, Elantra, Excel, Sonata, H-100.

Nissan: Sentra

NF
0,20 a 0,45 bar
1/8" BSPTF



3384

8885

AA10018501A

Asia: Towner

NF
0,15 a 0,35 bar
1/8" NPTF



8887

036919081A - 036919081B - 036619081C
06A919081C - 038919081H

VW: Fox, Spacefox, Kombi flex, Polo 1.0 16V
Golf 1.6 motor BAH111, New Beetle, Gol G5
Todos, Bora, Jetta, Tiguan, Passat.

Audi: A3, A4, A6, TT

Seat: Ibiza 1.0 16V

NA
0,30 a 0,60 bar
M10X1,0



3387

8888

3617936 - 3721002070 - S113810010

Chrysler: Dodge 1800 todos os modelos

Chery: QQ

NF
0,15 a 0,35 bar
1/8" NPTF



3388

8889

2TD919081 - BG6X9D290AA - BH1X9D290AA
20721216 - 3977579

VW: Caminhões e Onibus todos com
Motor Cummins ISCE 8.3

Ford: Caminhões e Onibus com motor
Cummins ISCE 8.3 4432E, 2632E, 2932E,
5032E, 4532E, 1832E, 6332E

Volvo: VM

NF
0,35 a 0,65 bar
M10X1,0K



3393

8890

2RD919081 – 905685090049 - 0309190811

VW: Caminhões 8150, 9150, 12140, 12150, 14150, 1210P, 12100P motores MWM.

3327

NF
0,15 a 0,45 bar
M10x1,0



8891

46472027

Fiat: Palio 96/99, Siena 99/00, Uno Mille 99.

NF
0,30 a 0,70 bar
M14x1,5



8892

PRC104 – PRC638 – PRC6387

Land Rover: Defender 90/110/130, 2.3, 2.5, 2.5D, TD. Defender / Discovery TDI, 200, 300, Range Rover 3.5, 2.5 TDS, TDI.

3391

NF
0,15 a 0,45 bar
M10 x 1,0



8893

6001055056 – 7700771828
3343237 – 3344237-8

Renault: Clio 1.7, 1.7 16V, Laguna 3.0 V6, Trafic 1.9 D, R11, R19, R21.
Volvo: 440, 460, 480

NA
0,3 a 0,55 bar
M18X1,5



3389

8895

113161 - 113182

Peugeot: 106, 306, 405, 406, Boxer

3395

NF
0,3 a 0,65 bar
M16X1,5



8896

LR005365 – 1131 K5 – 9661477580 – 93330573
1131 C5 – 252406F901 – Y40118501 – Y40118501A
11427805983 – 12617536724 - 12617568481

Citroen: Berlingo, C3, C4, C4 Gran Picasso, C4 Picasso, C5, C6, C8, Xantia, XM, Xsara, Xsara Picasso, Jumper todos com motor EW10.

Peugeot: 1007, 106, 107, 206, 306, 307, 308, 4007, 406, 407, 607, 806, 807, Boxer, Partner Todos os modelos.

GM: Tracker 02/04

Land Rover: Freelander 2, Evoque diesel 2.2

Mini: Cooper, Cabriolet, Clubman, Coupe, Roadster, JCW

Nissan: Micra

Mazda: 2, 3

NF
0,3 a 0,65 bar
M16x1,5



3396

8897

GM: S10, Blazer todos com motor 4.3 6 cil.

3397

NF
0,20 a 0,45 bar
1/8" BSPT



8899

9301012 - 93342424

GM: Chevette, Hatch, Junior, Marajo, Chevy, Monza, Kadett, Ipanema todos os modelos, S10 2.8 diesel

NF
0,30 a 0,45 bar
M14X1,5



3399

9200

ZBA959481 – 81NU14806A – 4318331 - 94921028 – 905685090133

Fiat: 147 1.3 74/84, Uno Arg. 1.5R 89 gasolina 86/76°C
Ford: Corcel, Belina 1.4, 1.6 todos, Escort, Verona 1.6 CHT 86 Gasolina 86/76°C
GM: Caravan, Opala 2.5, 4.1 81/92, Chevette 1.4, 1.6 74/>, Kadett 1.8, Monza 1.8, 2.0 </91 gasolina 86/76°C
VW: Gol, Parati, Saveiro 1.6, Santana, Quantum 1.8, Voyage, Passat 1.5, 1.6, 1.8 </93, Gol 1.0 AE carburado 92/96 gasolina 86/76°C

M22X1,5



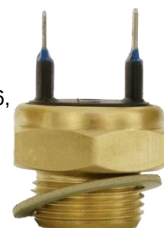
705

9201

ZBA959481 – 81NU14806A – 4318331 - 94921028 – 905685090133 – 823959481F

Fiat: 147 1.3 74/84, Uno Arg. 1.5R 89 a alcool 92/87°C
Ford: Corcel, Belina 1.4, 1.6 todos, Escort, Verona 1.6 CHT 86, Pampa 1.8 97 a alcool 92/87°C
GM: Caravan, Opala 2.5, 4.1 81/92, Chevette 1.4, 1.6 74/>, Kadett 1.8, Monza 1.8, 2.0 </91 a alcool 92/87°C
VW: Gol, Parati, Saveiro 1.6, Santana, Quantum 1.8, Voyage, Passat 1.5, 1.6, 1.8 </93, Gol 1.0 AE carburado 92/96, a alcool 92/87°C, Gol 1.6 diesel 84/89, Saveiro 1.6 diesel 84/97 92/87°C, Quantum imp. 2.1 81/84 92/87°C
Saab: 90 imp. 2.0 84/87

M22X1,5



705

9202

905685090029 – A3455457224 – A3455457824
A3455458224 - 756787

Mercedes Benz: Caminhões e Onibus </89
MWM: Motor estacionario
New Holland: Trator colheitadeira



3049

M14X1,5

9203

61968

SCANIA: Caminhões e Onibus a partir De 81.



3066

M14X1,5

9204

T11963107

VW: Caminhões/ Onibus Automatico todos 82/87
Ford: Belina, Corcel II 1.6 CHT 78



3044

M14X1,5

9205

86307200

Valtra / Valmet: Tratores



M10X1,5

9206

BTD33T49811

Yanmar: Tratores



M22X1,5

9212

756745

New Holland: Colheitadeira linha TC



3/8" NPTF

9213

DQ51132

John Deere: Colheitadeira todas



M22X1,5

9300

85FB10884AA – 86AB10884AA
6146864 - 6136366

Ford: (Importados) Transit 1.6,2.0,2.9 92/>,1.6, 2.0 85/>,Escort 1.0,1.1,1.3 85/86, 1.4,1.6 XR3I (CVH) 85/90, RS turbo 84/92, 1.6 84/88 diesel, Fiesta 1.0,1.1,1.3, XR2 86/88, Fiesta 1.4,1.6,1.6 XR2I 89/95, Fiesta Diesel 86/88

3130



1/8"NPTF

9301

89FB10884AA

Ford: Courier , Fiesta1.6 Zetec 16V, Zetec SE 1.4 16V, Endura-E 1.0,1.3 96/99, Zetec SE 1.4 16V, Endura-E 1.0,1.3 97/99, KA Endura-E 1.0,1.3 97/99,

3124



1/8"NPTF

9302

6145143 – 86VB10884BA

Ford: Escort 1.4,1.6 (CVH) 91/95, 1.8 diesel 88/95, 2.0 (DOHC) 85/95, 2.0i 16V (Cosworth) 92/95, 2.0i EFI 89/95, Fiesta 1.4 CLX, CAT 92/95, Granada 1.8,2.0, 2.0i 85/92, Orion 1.8 Diesel 88/91

3144



1/8"NPTF

9303

TAR919501 – 2U2906501

VW: Onibus motor dianteiro 16-180 CO 6.10 93/97, 16-210 CO 97/01 motor MWM. 19-320E, 25-370E, 31-320E, 31-370E Constellation NGD 9.3 07/>

Ford: B-1618, B-1621 onibus MWM 6.10 TCA 98, B-1618, B-1621 onibus MWM 6.10 TCA 93/98, F1000 MWM 95/98

3235
3275



1/8"NPTF

9304

TAV919501

VW: Caminhões com motores Cummins 12-170BT, 14-170BT,16-200 Worker 6BTAA 5.9 turbo 97/00, 13-170, 15-170 5.9 00/01,13-190, 15-190 5.9 01/>,16-170 Worker 93/00, 17-210 5.9 00/>, 23-210 5.9 02/> Caminhões 16170 todos com motor MWM 229/4/6 cilindros.

3268



1/2"NPTF

9305

D5NN10884C

Ford: Trator 4600, 5600, 6500



1/8"NPTF

9306

5859730

Class: Caminhão de Bombeiro

for



1/2"NPTF

9308

TJG919501B – XC4510884CA

Ford: F4000 Cummins turbo 98, F4000 Cummins 4BT 96/98

VW: 12170, 12180, 12210 99/>

3083



1/2"NPTF

9309

TJG919501A

Ford: Caminhões Cargo 1422 /1617/ 1622 / 2422 91, 1630 / 2425 93, 2322 91/94, 3530 / 3224 92/97, 2630 / 4030 97.

3085

VW: Caminhões 12220 99 em diante



3/4"NPT

9311

62110788115

BMW: 316, 318, 320, 323, 324, 325 imp. 1.6,1.8,2.0,2.5 80/>, 518, 520, 525, 528, 728 1.8,2.0,2.5,2.8 80/>

3107



M14X1,5

9312

027919501 – SE0219470001 – 049919501
- 175919501

Audi: 50, 80, 90, 100, 200 imp. 1.8,1.9,2.2 80/>

Seat: Toledo imp. 1.8 16V

VW: Golf 1.8,2.0 , Van imp. 2.4 diesel

M10X1,0



3126

9322

8118400022 – A3455427417

Valtra: Trator 985 todos

Mercedes Benz: Caminhões e Onibus
Todos até 89.

M14X1,5



3072
3022C

9401

D8NN10884AA

Ford: Tratores New Holland a partir de 88

3/8" NPTF



3001

9403

E1NN10884AA

Ford: Tratores New Holland 83/88

3/8" NPTF



3003

9405

0499195011

Ford: Escort, Verona 1.8,2.0 85/92, Versailles, Royale 1.8,2.0 85/>

VW: Gol 1.0,1.6,1.8,2.0 85/93, Gol 1.6 84/89, Parati, Saveiro 1.0,1.6,1.8,2.0 85/93, Santana, Quantum 1.8,2.0 85/93, Saveiro 1.6 96/97 diesel

M10X1,0



3005

9409

TE3919501 – 2R0906051A

VW: Caminhões com motores MWM 5.140E(Delivery), 5.140,8.150 E OD (micro-Onibus) 4.08 TCE 05/>, 7.100 Worker NA 100CV 94/00, 7.100 Worker NA 95CV 00/02, 7.110, Worker 4.10 TCA 02/> 7.120 Worker 4.10 TCA 02,8.100 Worker NA 100CV 97/00, 8.120 Worker 4.10 TCA 05/>, 8.120 Worker 4.10 TCA 00/>, 8.120 OD (micro/mini onibus) 4.10 TCA 03/>, 8.140 Worker 4.10T 94/00, 8.140 CO/CE (micro/mini onibus) 4.10T 94/00, 4.10TCA 00, 8.140 CO/CKD (micro/mini onibus) turbo 135 CV 98/00, 8.150 Worker 4.10 TCA 00/>, 8.150E (Delivery) 4.08 TCE 05/>, 8.150E OD, 9.150E OD (micro-onibus) 4.12 TCAE 04/>, 8.150 OD, 9.150 OD (micro/mini onibus) 4.10 TCA 00/>, 12.140H Worker 5.9 D229.6 91/98, 12.140H 4.10T 97/00, 12.180 Worker . 10T 99/00, 13.150 Worker 4.10 TCA 00/>, 13.180, 15.180 Worker 6.10 TCA 00/>, 14.150 Worker 6.10 NA 91/00, 14.180 Worker 6.10T 99/00, 15.180E OD, 15.190E OD 4.12 TCAE 4.8 06/> 17.210 Worker 6.10 TCA 6.5 00/> 17.210 OD, 206CV 01/>, 17.210E OD, 17.260E OT, 18.320E OT 6.12 TCAE 7.2, 04/>, 17.230E OD 6.12 TCAE 7.2 06/>, 17.240 OT 6.10 TCA 01/> 23.210 Worker 6.10 TCA 6.5 02/>, 26.260E, 31260E Worker eletronic 6x4 05/> L80 Worker 96/97.

Caminhões com motores Cummins 8.150E, 9.150E, 13.170E, 13.180E, 15.170E, 15.180E, 15.190E, Worker Eletronic ISBE 3.9 03/>, 8.150E OD, 9.150E OD (micro-onibus) ISBE 3.9, 13.170E, 13.180E, 15.170E, 15.180E, 15.190E, 17.250E Worker eletronic ISBE 5.9 04/>, 14.200 Worker 91/94, 14.220 Worker 91/00, 16.170 Worker 91/93, 16.220, 16.220 leito worker 8.3 turbo 91/95, 16.220, 16.220 leito, 16.300 Worker 6CTAA 8.3 turbo 95/00, 17.220 Worker 6CTAA 8.3 00/>, 17.250E, 23250E, 24.250E Worker eletronic ISBE 5.9 03/> 17.300, 26300, 40.300 Worker 6CTAA 8.3 00/01, 17.310, 26.220, 26.310 Worker 6CTAA 8.3 01/03, 17.310, 23.310, 26.310 Worker, 18.310 OT, 6CTAA 8.3 03/> 18.310 Worker 6CTAA 8.3 01/>, 23.220, 26.260 Worker 6CTAA 8.3 02/>, 23.310 Worker 6CTAA 8.3 02/03, 24.220 Worker 8.3 91/99, 24.220, 40.300 Worker 6CTAA 8.3, 8.3 turbo 99/00, 24.250 Worker 6CTAA 8.3 turbo 92/00, 24.250 Worker 00/02, 26.220 Worker 220CV 06/>, 31.260, 31.310 Worker 6CTAA 8.3 04/> 35.300 Worker 35.300 leito Worker 6CTAA 8.3 turbo 91/00,.

1/8" NPTF



3009

9410

94639034

GM: Monza 1.6,1.8,2.0 83/>
Todos a alcool partida a frio

1/8" NPTF



3010

9411

94618831

GM: Chevette 1.4 81/>
Todos a alcool partida a frio

M14X1,5K



3011

9412

82EU10W884A

Ford: Corcel, Belina 1.4,1.6 <86, Del Rey 1.6 </86
Todos partida a frio

3012



M10X1,0K

9413

0269195011

VW: Fusca 1.3 </86 partida a frio

3013



M10X1,0K

9414

02699195012

VW: Gol, Parati, Saveiro 1.0,1.6,1.8, 2.0 </88, Gol, Parati, Saveiro 1.6,1.8 AP Diesel 82/88,

3014



M12X1,5

9415

0269195014

VW: Gol,Parati,Saveiro 1.0,1.6,1.8,2.0 88/89
Todos a alcool partida a frio

3015



M10X1,0

9417

94618140

GM: Caravan, Caravan Comodoro , Caravan Diplomata, Opala Diplomata, Opala especial, Opala Gran Luxo, Opala luxo, comodo, Opala SS 2.5,4.1 80/92.
Todos a alcool partida a frio

3017



1/4``NPTF

9418

0279195011

VW: Gol,Saveiro 1.0,1.6,1.8,2.0 94/>, Logus, Pointer 1.6,1.8,2.0 94/>, Parati 1.6,1.8, 2.0 AP 8V EFI, 2.0 AP 16V EFI multipoint , Santana , Quantun 94/00, 1.6, 1.8 AP 8V CFI 94/97, Van 1.6 EFI, Polo Classic 1.6,1.8 EFI 98/03, Saveiro 1.6 diesel 84/97.
Ford: Escort, Verona 1.8,2.0 93/>

3018



M10X1,0

9421

73620

Ford: Corcel, Belina 1.3,1.4 70/77,

3021



M18X1,5

9422

AS04969 – 3455427717 – 309065 – YB4154100

Valtra: Tratores 685 93/94, Colheitadeira 6/83
Mercedes Benz: Caminhões e Onibus Todos 70/89.
Scania: R 112, R113, R142, T112, T113, T142, T143 88/98
Yanmar: Tratores agricola

3022L



M14X1,5

9423

D2TU10884A – BD2T10884A

Ford: F100,1000 74/89, F350, 750 74/77, F600 74/79,F700 77/80, F4000 MWM 87/92, FT7000 78/83, F8000,FT8000 77/83, F8500 77/79, F11000, F12000 72/84, F14000 72/92, FT 21000 81/83, F22000 84/90

3023



3/8``NPTF

9424

2989473

VW: Caminhões 6-80, 6-90, 11130 81/>

Chrysler: Caminhões Dodge com motor MWM

3024



3/8``NPTF

9425

7332773 - 73100

GM: Caravan, Caravan/Opala Comodoro, Opala luxo, Caravan/Opala Diplomata 2.5,4.1 alc/Gas. 69/92, Caravan, Caravan/Opala Comodoro, Opala luxo, Caravan/Opala Diplomata 4.1 tucho mecanico gas. 69/92, D20 todos 83/>

Perkins: Utilitarios 83/> diesel

GMC: Caminhões todos 71/>

1/2``NPTF



3025

9426

67979

Scania: Caminhões e Onibus B111, BR 115/116 todos

3/8``NPTF



3026

9427

6007001523009

Agrale: Caminhões 96/>

M14X1,5



3027

9428

A6955427117

Mercedes Benz: Caminhões e Onibus 1214K, 36M96 96/>, 1620, OM366 00/>

M14X1,5



3028

9429

90246852 – 93203244 - 03439088

GM: Astra GLS imp. 1.8,2,0 8V gasolina 95/96, Blazer 2.2 EFI gasolina 95/99, 2.2 MPFI gasolina 98/00, Chevette 1.0 86/>, Corsa 1.0,1.3,1.4,1.6 MPFI 8V gasolina 94/>, Kadett,Ipanema 1.8,2,0 86/>, Monza 1.8,2,0 83/>, Omega, Suprema CD 3.0 MPFI gasolina 93/94, CD,GLS 4.1 MPFI gasolina 95/98, GL,GLS 2.0, 2.2 MPFI alcool/Gasolina 93/98, S10 2.2 EFI gasolina 95/99, 2.2 MPFI gasolina 98/00, Silverado 4.1 MPFI gasolina 97/01, Vectra CD, GL, GLS 2.0,2.2 MPFI 8/16V gasolina 97/05, CD, GLS 1.8,2,0 MPFI 8V gasolina 94/96,

1/8``NPTF



3029



9430

A3845427117 – DQ19441

Mercedes Benz: Caminhões, Onibus Todos 90/99 indicador de temperatura e Alarme de superaquecimento.

John Deere/SLC: Colheitadeiras

M14X1,5



3030

9432

035919501 - 0289195011 - 13283973

Audi: 80, 100, 200 imp. 1.9,2,0,2.2 90/>
VW: Gol,Parati,Saveiro 1.0,1.6,1.8,2.0 </85 , Passat, Voyage 1.5,1.6,1.8 </85, Santana, Quantum 1.8,2,0 </85.

Volvo: 240, 260, 780 imp. 1.8,2,0 diesel

M10X1,0K



3032

9433

2TA919501

VW: Caminhões 8140 MWM 4.10 T 98/00, Worker 5180, 7100 96/>, 12150, 13130, 15180, 17300 96/>

M10X1,0



3033

9437

1513462 - 1513321

GM: Caminhões e utilitarios com motor Perkins / Maxion 83/92
D10 / Veraneio diesel 73/83



3037

1/2" NPTF

9438

7015011021004

Agrale: Moto SXT 27.5 gasolina 96



3038

M14X1,5

9439

7017011080006

Agrale: Moto SXT Elefant 30.0 Gasolina 96



3039

M14X1,5

9440

7509548

Fiat: Elba 1.5,1.6 8V 86/94, Fiorino 1.6 SPI/MPI 8V 90/96, Premio 1.5 8V, 1.6 SPI 8V 85/94, Uno 1.5 8V 87/89, 1.4 8V Turbo 94/96
Todos a alcool partida a frio



3040

M14X1,5

9441

7588802 - 4108672 - 50000102 - 60813687 - 4448131 - TM106

Fiat: Brava 1.6 MPI 16V 00/01, Coupe 2.0 Mpi 16V 95/97, Duna 1.6 SPI 8V 95, Elba 1.5 8V, 1.6 SPI/MPI 8V 86/96 Fiorino 1.6 SPI/MPI 8V 94/96, Marea 2.0 MPI 20V 99/00, 1.6 MPI 16V 04/05, Palio 1.0,1.5,1.6 SPI 8V 96/00, 1.6 MPI 16V, Premio 1.5 8V, 1.6 SPI 8V 85/94, Siena 1.0,1.5 MPI 8V 99/00, 1.6 SPI 8V, 1.6 MPI 16V 98/00, Strada 1.5,16 MPI 16V 99/01, Tempra 2.0 SPI 8V 95/99, 2.0 MPI 16V 93/99, 2.0 MPI 8V turbo 95/98, Tipo 1.6 MPI/SPI 8V 93/97, 2.0 MPI 8/16V 94/95, Uno 1.5 SPI 8V, 1.6 MPI 8V 87/96, Uno Mille 1.0 SPI 8V 98/01, 1.4 8V turbo 94/96.

Alfa Romeo: 156 1.9,2.4 JTD 97/>

Lada: Niva 1.8 90/>

M16X1,5K



3041

9442

7504272

Fiat: Premio 1.3 8V 85/88
Uno 1.3 8V 85/91
Uno Mille 1.0 8V 91/93



3042

M16X1,5K

9443

7508162

Fiat: Elba 1.3,1.5 8V 86/93
Fiorino 1.3,1.5 8V 88/96
Premio , Uno 1.3,1.5 8V 85/93



3043

M16X1,5K

9447

78NU10884A

Ford: Belina , Corcel 1.4,1.6 79/80



3047

M14x1,5

9448

81AB10884AA - 88AU10884AA

Ford: Escort , Verona 1.3,1.6 83/89



3048

M14X1,5

9450

0299195011 – 90VU10884AA

Ford: Escort , Verona 1.3,1.6 90/92,
1.0 Hobby 93/96

VW: Gol, Parati 1.0,1.6,1.8,2.0 AE 90/>,
Saveiro 1.6,1.8,2.0 AE 90/>

M14X1,5



3050

9453

905695090013

MWM: Motores estacionarios
Serie 10 4 /10TCA, 6.10T / 6.10 TCA
Diesel 90/99.

M14X1,5



3053

9454

654271208

Valtra: Tratores 885,985,1080,1280,1380,
1580,1680,1780 e 1880.

M14X1,5



3054

9456

A3845427617

Mercedes Benz: Caminhões, Onibus
Chassis OF 1721, L59 99/>

M14X1,5



3056

9459

T71919501

Ford: Caminhões F1000, F4000 MWM
3.6 Arg. 90/>, F12000, 14000 MWM 92/95.
VW: Caminhões 11140, 12140, 14140
MWM 90/>

1/8" NPTF



3059

9460

0269195211

Ford: Del Rey, Pampa 1.8 89/>

M14X1,5



3060

9461

84EU10884AA

Ford: Del Rey 1.6 83/89, Pampa 1.6 83/>

M14X1,5



3061

9463

0419195212

VW: Kombi 1.8 todos , Kombi diesel 85/>

M14X1,5



3063

9464

93290234 - 73157

GM: Blazer , S10 2.4 MPFI gasolina 01/>,
2.8 MWM Turbo aftercooler diesel 00/>,
2.5 Maxion Turbo diesel 96/00, 2.2 EFI
gasolina 95/99, 2.2 MPFI gasolina 98/00,
S10,Blazer GM todos diesel

1/8" NPTF



3064

9465

A0145421217 – 73113 - 73160

Mercedes Benz: Sprinter MBB todos, Sprinter
Maxion 98/>,
Caminhões e Onibus Sprinter Maxion 98/>

1/8" NPTF



3065

9471

60806378 – 7762300 - 60811250

Alfa Romeo: 145 imp. 2.0 MPI 16V 96/97, 145 QV imp. 2.0 MPI 16V 96/99, 145S imp. 1.8 16V 98/99, 155, 155 Super imp. 2.0 MPI 16V 95/98, 145, 146 Eur. 1.4, 1.6, ie 16V TS, 146 Eur. 1.8 ie 16V TS 96/01, 145 Eur. 1.8 ie 16V TS 96/98, 145, 146 Eur. 2.0 16V TS 95/01 155 Eur. 1.7 16V TS 96/97, 155 Eur. 2.0 16V Turbo Q4 92/97, 155 16V TS 95/97, 156 Eur. 1.6 16V TS, 2.5 24V 97/>, 156 Eur. 1.8, 2.0 16V TS 97/00, 156 Sportwagon Eur. 1.6 16V TS, 2.5 24V 00/>, 1.8, 2.0 16V 00/> GTV/Spider Eur. 2.0 16V TS 95/>, Gtv Eur. 3.0 24V 96/00.

Fiat: Fiorino/Uno Furgão 1.5 MPI 8V 97/04, Pick up trekking 1.5 MPI 8V 97/98, Pick up trekking 1.5 MPI 8V 97, Pick-up Working 1.5 MPI 8V 97/99, Palio ED 1.0 MPI 8V, EL 1.5 MPI 8V 96/98, Palio EDX 1.0 MPI 8V 96/99, Siena 1.0, 1.5 96/>, Uno Mille 1.0 MPI 8V 02/04, Uno Mille Cit / EX 1.0 MPI 8V 99/00, Uno Mille Smart / Smart City 1.0 MPI 8V 00/01, Uno Mille SX Young 1.0 MPI 8V 99, Croma imp. 1.6, 2.0 85/96,

M16X1,5



3071

9474

2TD919501A

VW: Caminhões 10300, 26300, 40300, 26220 99/>

for

1/2" NPTF



3074

9475

3147425 - 039385

Massey Ferguson: Tratores 275 / 296

5/8" UNF



9479

73152 – BF0T12A648AA – BF7T12A648B 73162

Ford: Ranger motor maxion 2.8 diesel 01/>, 2.5 HS diesel 97/99, 2.5 HS turbo diesel 99/01, HSD 2.5 diesel 97/01. Ranger motor ford todos.

1/8" NPTF



3079

9485

4837950 - 504127558

Fiat: Ducato todos modelos.

Iveco: Daily imp. 35.10, 49.10, 49.12 40.12, 59.12 turbo 98/>

M16X1,5



3180

9488

028919501C

VW: Gol, Saveiro GIII 1.6, 1.8, 2.0, 1.6/1.8 flex 02/05, Gol, Saveiro GIV 1.6 MPI flex, 1.8 flex, 1.6, 1.8 05/>, Gol Special GII 1.6 AP </02, Parati 1.6, 1.8, 2.0 AP 8V EFI 00/02, Parati GIII 1.6, 1.8, 1.8, 2.0, 02/04, 1.6 MPI flex, 1.8 flex 02/04. Parati GIV 1.6, 1.6 MPI flex, 1.8 flex 05/>, Santana, Quantum 1.8, 2.0 00/>, Caminhão 12220 diesel 99/>

M10x1,0



3088

9499

2989473 – 2RD919501

VW: Caminhões 6-80, 6-90, 11130 diesel 81/>, 11140, 12140, 14140, MWM diesel 90/>

3/8" NPTF



3024

9505

46472179 – 46469865 – 55187822 – 60814715 – 71741090 - 500382599 – 2R0919501B – 20513340 – 1338C7 – 90541937 -12566778
1338F9 – 5341391 – 5959283 – 90570185 – 9177213 – 9542861 – 9543406 – 15393755 – 24436779 – 4660585 – 4772208 - 93342219

Alfa Romeo: 145,146,156,159, 166, Sportwagon , Brera,Spider todos modelo Eur.

Citroen: Jumper Imp. 2.8 HDI 00/02, Jumper Box, Jumper Bus Eur 2.8 8V HDI 4x4 00/ D, Eur.,Jumper Flat Bed / Chassi Eur.2.8 8V HDI 00/ D,

Fiat: Multipla Imp. 1.8 98/

GM: Corsa BR 1.0,1.4 EFI 8V 96 gas., Omega CD imp. 3.6 V6 05/ gas., Vectra GL,GLS,CD BR 2.0 MPFI 16V 97/05 gas.

Peugeot: Boxer Box,Boxer Bus, Eur. 2.8 8V HDI 00/ D, 4x4 02/ D, Boxer Flatbed/chassis Eur. 2.8 8V HDI 4x4 02/ D

Saab: 9,3, 9,5 , 900 II, 9000, 9000 Hatchback

Iveco: Daily II BR 2.3 02/ D, 2.9 10V/12V 02/ D, 2.9 14D 02/ D, 35C, 35S 10V/12V 02/ D

VW: Caminhões e Onibus 8-150, 9-150, 13-170, 13-180, 15-170, 15-180, 15-190, 17-210,017-230, 17-250, 17-260, 18-320, 24-250, 26-260, 31-260 (worker, constellation) com motor MWM eletrónico 4.08, 4.12, 4.8, 7.2 a partir de 04/

Volvo: Caminhões FE 240-18, 240-22, 240-26, 280-18, 280-22, 280-26, 320-18, 320-22, FH 400, 440, 180, 520, FL II 240-12, 240-15, 240-16, 240-18, 280-12, 280-15, 280-16, 280-18, FM 400, 440, 480. 05/...

M 12x1,5



4005

9506

BG5X10884AA – 2R0919501A

Ford: Caminhões cargo 815-E,1317-E, 1517-E 1717-E, 1722-E, 2422-E, 2428-E, 2622-E, 2628-E 05/, F250 06/ todos com motores Cummins 3.9 e 5.9

VW: 17-250E, 24-250E(constellation), com motores Cummins eletrônico 5.9 24V 05/

M12x1,5



4106

9508

7085083 - 93313156

Fiat: Doblo Adventure, Cargo , ELX, HLX, Palio 1.8R ,Stilo, Idea HLX,1.8 MPI flex 8V 06/>, Idea,Palio Adventure , ELX, Sedan1.8 MPI 8V 06/>, Stilo Sporting, Idea Adventure 1.8 MPI flex 8V 07/>, Palio, Punto HLX, Punto Sporting, Siena HLX 1.8R MPI flex 08/>.

GM: Novo Corsa 1.8 MPFI 8V gasolina 02/>,1.8 MPFI 8V flex 04/>, Meriva 1.8 MPFI 8V gasolina 06/>, 1.8 MPFI 8V Flex 06/>, Montana 1.8 MPI 8/16V flex 04/>

M12x1,5



4008

9511

96566364 – 1338F3

Citroen: Berlingo 1.3 16V 00/. C2,C3 1.4,1.6 16V 03/. C4 1.6 16V Flex 07/, 1.4,1.6 16V 04/

Peugeot: 107 1.4,1.6 16V gas. 05/, 206, 1.4 16V Gas. 03/, 1.6 16V 06/. 207 1.4,16 16V gas. 06/. 307 1.4,1.6 16V gas. 03/.Partner 1.6 16V gas.01/



4111

9510

96368024

Citroen: C3 1.4 08/ , Xsara 2.0 16V 02/ Xsara Picasso 2.0 16V 05/.

Peugeot: 206 1.0 8V 04/, 206 1.6 8V 02/ 206 1.4 8V Flex 06/08

M12x1,5



4110

9514

059919501A

Audi: A2 imp. 1.4 00/>, A3 imp. 1.9 turbo diesel 00, 1.6 8V 99/00, 1.8, 1.8 20V turbo 99/05, A3 imp. 1.6 (EA111) 02/05, 1.6 05/> A4 imp. 2.5, 2.8 99/>, A6 imp. 2.5, 4.2 97/> A8 imp. 2.5, 3.7, 4.2 98/>
Seat: Arosa, Cordoba imp. 1.0, 1.4 99/>, 1.6 8V 99/03, ARG. 1.9 SDI, diesel, 1.6 (EA113) Nafta., TDI (EA150) Diesel 00/02, Ibiza imp. 1.4 99/>, 1.0 16V EFI 00/03, 1.6 8V 99/03, Leon imp. 1.4, 1.6, 1.8 99/>, Toledo imp. 1.4, 1.6, 1.8 98/>, Vario Imp. 1.6 8V 99/03
VW: Bora imp. 2.0 8V 00/04, 1.8, 2.0, 1.8 20V turbo, 1.9 diesel 05/>, Fox 1.0, 1.6, 03/>, 1.0, 1.6 total flex 03/> Gol 1.0 MI AT 8/16V EFI 01/02, Gol GIII 1.0 MI AT 8/16V 02/>, 1.0 MI AT 8V total flex 02/>, Gol GIV 1.0 MI AT total flex, 1.0 MI AT 8V 05/>, Golf A4 imp. 1.6 8V, 1.8 turbo 20V 98/99, 1.6 (EA111) 99/01, 1.6 01/>, 1.6 total flex 1.8 20V turbo, 1.6, 1.8, 2.0 8V, 2.8 24V, 1.9 diesel 02/>, Kombi 1.4 06/> New Beetle imp. 2.0 8V 115CV 99/>, Parati 1.0 MI AT 16V EFI 01/02, Parati GIII 1.0 MI AT 16V 02/, Passat imp. 1.8 turbo, 1.8, 2.8 99/01, 1.8, 2.0, 2.8 01/02, 1.8, 2.8 02/05, Polo Classic 1.0 16V EFI 01/03, ARG. 1.9 diesel 00/>, Variant imp. 1.8 turbo, 1.8, 2.8 99/01, 1.8, 2.0, 2.8 01/02, 1.8, 2.8 02/05,



4014

9517

95640493 - 1920C4

Alfa Romeo: 145, 146 imp. 1.4, 1.6 94/>
Citroen: AX imp. 1.1, 1.4 92/95, BX imp. 1.4, 1.6, 1.9 89/93, ZX imp. 1.4, 1.6, 1.8, 1.9 91/>
Peugeot: 106 imp. 1.1, 1.3, 1.4 91/>, 205 imp. 1.4 91/94, 405 imp. 1.6 91/, 605 imp. 91/



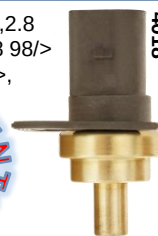
4017

M12x1,5

9518

078919501C

Audi: A3 1.6, 1.8 96/>, A4 imp. 1.6, 1.8, 2.4, 2.8 99/>, A6 imp. 1.8, 2.4, 2.8 97/>, A8 imp. 2.8 98/>
Seat: Cordoba, Ibiza imp. 1.6, 1.8, 1.9 99/>, Toledo imp. 2.3 99/>
VW: Bora imp. 2.0 AP 8V 04, Golf imp. 1.6, 2.4, 2.8 99/>, New Beetle imp. 2.0 98/>, Passat 1.6, 1.8, 2.0, 2.3 96/00,



4018

ANGAMENTO

9520

8942287101000 - 8942287202000 - MD177572 - MD182467 - 30874182

Daihatsu: Applause I imp. 1.6 16V 89/97, Charade IV imp. 1.3 16V, 1.6 GTI 93/>, Cuore imp. 0.8i 97/98, Cuore IV imp. 0.8 95/96, Domino imp. 0.8i 94/98, Feroza Hard/Soft Top imp. 1.6i 16V 88/>, Mira imp. 0.8i 94/97, Move imp. 0.8 96/>, Sportrack Imp. 1.6i 16V 4x4 93/97, Valera imp. 1.5i 16V 93/96.

Mitsubishi: Carisma imp. 1.6i 16V 95/99, 1.8i 16V 95/>, Colt imp. 1.3 91/92, 1.3i 12V 96/>, 1.6i 16V 91/>, 1.8i 16V 91/93, Colt Space Star imp. 1.8i 16V 98/00, Expo LRV imp. 1.8, 2.4 92/95, Galant imp. 1.8i 16V/2.0i 24V 92/96, 2.0i 16V 96/>, 2.4i 16V 99/>, 2.5i 24V 92/>, Lancer imp. 1.3i 12V 96/>, 1.6i, 1.8i 16V 92/93, Lancer Wagon imp. 1.6i 16V 92/>, Mirage imp. 1.5, 1.8 97/98, USA 1.8i 92/> Pajero Pinin imp. 1.8 GDI 99/>, 2.0 GDI 00/>, Shogun imp. 1.8i, 2.0 4x4 99/>, Space Star imp. 1.3i, 1.8i 16V 98/00, Space Wagon imp. 2.0i 16V 92/98
Volvo: S40 imp. 1.8i 98/03, V40 imp. 1.8i 98/>



4020

3/8" BSPT

9522

90411977 – 1342850 – 34478826

Renault: R19 imp. 1721cc. 88/96, TXI 90/92
Volvo: 440,460 imp. 1.6,1.8,2.0 88/96, 1.7 Turbo 88/96, 460 1.7 turbo 89/92, 480 1.7 ES turbo 86/96, 1.8,2.0 89/95



4022

M12X1,5

9524

026909161 - 030919501

Audi: 90 2.0 87/, 80,100 1.8,1.9,2.0,2.6,2.8 84/, Coupe 1.8,2.0 85/96
Seat: Cordoba 2.0 16V 96/, Ibiza 1.8 93/

VW: Gol, Parati, Saveiro 1.8 AP, 2.0 16V 99
 Golf 1.8, 2.0 90/92, Kombi 1.6 MPFI
 1.6 Ar i.e Passat 2.0 90/92



4024

M10x1,0

9526

91AB10884AA

Ford: Courier/Fiesta 1.0,1.6 Zetec Rocam 98/>, Escort 1.6,1.8 16V Zetec 98/>, Hatch/SW Zetec 1.8 16V gasolina 96/02, Sedan Zetec 1.8 16V Gasolina 96/98, Focus Zetec 1.8,2.0 16V 00/
 Mondeo Zetec-E 1.8,2.0 94/96 gasolina, Sedan Zetec-E 2.0 96/98 gasolina.



4026

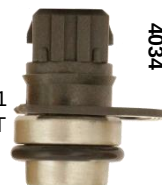
1/8"NPTF

9534

357919501A - 030919501A

Seat: Cordoba imp. 1.9 93/>, Inca 1.4,16 96/>, Toledo imp. 1.8,1.9,2.0 94/>

VW: Gol GIII 1.0 MI AT turbo 16V 02/05, Gol Special GII 1.0 MI AT 8/16V <02, Golf 1.8 92/> Parati 1.0 MI AT 8/16V 97/01
 1.0 MI AT 16V Turbo 00/02, GIII 1.0 MI AT 16V turbo 02/04 Passat 1.8,2.0,2.8 VR6 92/>, Saveiro 1.0 MI AT 8/16V 98/>



4034

9538

7700737571

Renault: Clio imp. 1.2,1.4,1.8 90/>, Espace imp. 2.0 91/>, Laguna imp. 2.0 94/>, Megane imp. 1.6,2.0 96/99, R21 imp. 2.0 90/>, R25 imp. 2.0,2.9 88/92, Safrane imp. 3.0 92/>, Trafic imp. 1.7,2.0,2.2 89/>, Twingo imp. 1.3 93/>.



4038

M12X1,5

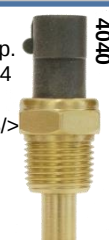
9540

25036979 – 15326386 – 12146312
 8121463120 – 8250369790 - 10045487

Daewoo: Aranos/Espero imp. 1.8,2.0 94/>

GM: Blazer 4.3 MPFI gasolina 96/01, Lumina imp. 3.1,3.8 90/>, Omega CD 3.8 MPFI gasolina 99/04
 S10 4.3 MPFI gasolina 96/01

Isuzu: Rodeo imp. 3.2 90/>, Trooper imp. 3.2 88/>
GMC: Truck USA 4,6,8 cil. 85/98.



4040

3/8"NPTF

9547

034906161

Audi: 80 imp. 2.3 91/96, 90,100, 200, Cabriolet, imp. 2.3 91/94, Coupe 2.3 87/96,

Ford: Escort XR3 2.0i LE-jetronic 93/>, Royale Ghia/Versailles Ghia 2.0i <93, Versailles 2.0 93/>

VW: Gol, Parati 2.0 GTI 88/93, Quantum/Santana 2.0, 2.0 LE90/93, 2.0 EX 89/93, 2.0i GLS <93, Saveiro 2.0 GTI 88/93,



4047

M10X1,0

9548

7669143

Fiat: Tipo imp. 1.6 ie 93/95



4048

M18X1,5

9550

93247291 – 25036898 – 7083448 - 12146897 – 12191170 - 0850413 – 25036898 – 17034869 – 90080939

Alfa Romeo: 145,146 1.6 94/96

Daewoo: Nexia imp. 1.5 94/

Fiat: Palio 1.8 8V 03/, Stilo 1.8, 1.8 MPI 8V 03/,

GM: Blazer 2.2 EFI gasolina 95/00, Celta 1.0 MPFI gasolina 01/, 1.4 MPFI 04/, 1.0 MPFI 8V flex 06/, 1.4 MPFI 8V flex 07/, Corsa 1.0 MPFI 8V gasolina / alcool 95/, 1.4 MPFI / 1.6 EFI/MPFI 8V gasolina 95/, 1.0 MPFI 8V flex 06/, novo Corsa 1.8 MPFI 16V 03/05, Ipanema / Kadett / Monza 1.8,2.0 EFI 91/, Meriva 1.8 MPFI 16V gasolina 03/05, Omega / Suprema GL/GLS 2.2 MPFI Alcool/Gasolina 93,2.0 MPFI alcool 93, 2.0 MPFI 8V gasolina 93/94, 2.2 MPFI alcool/gasolina 95/98, Prisma 1.4 MPFI 8V Econoflex 02/, S10 2.2 EFI gasolina 95/00



4050

M12X1,5

9551

1284397 – 13621284397 – 5972332 – 7770239 – 60513205 – SE021947000 – 024246 – 91040370 – 91440370
61414549 – 91514549 – 1332396 – 13323969 – 90410192 – 90410792 – 90510183 – 39220 – 22010 – 90410792
90510183 – 93358883 – F000TF01000 – 91514459

BMW: 518,520,525,528,535 imp. 1.8,2.0,2.5,2.8,3.5 88/93, 316 imp. 1.6 88/94, 323 Eur. 2.3 84/88, 325 imp. 2.5 85/318 imp. 1.8 90/94
Fiat/Alfa Romeo/Ferrari/Lancia: 155 imp. 1.7,1.8,2.0 92, 164 imp. 2.0,3.0 97, 164 imp. 3.0 V6 24V, Alfa 33 imp. 1.5,2.7 90/95, Cromo imp. 2.0,2.5 86, Dedra imp. 1.6,2.0 93/94, Panda imp. Motor1 87/91, Regata imp. 1.5 87/90, Tempra Eur. 1.4,1.6,1.8 90, Thema Imp. 2.0,2.9 84/92, Y10 imp. 1.0,1.1,1.3 88, Astra imp. Motor2 95/96
Fiat: Elba 1.6 MPI 8V 94, Fiorino 1.6 MPI 8V 95/96, Marea 2.0 MPI 20V 99/00, Strada 1.5 87/>, Tempra 2.0 MPI Turbo 95/96, Tipo 1.6 MPI 8V 96/97, Uno 1.0,1.3,1.4 85/92, Uno 1.6 MPI 8V 95/96, Uno 1.4 8V Turbo 94/96
GM: Astra GL/GLS 1.8 MPFI 8V Gasolina 99/01, 1.8 MPFI 8V 01/ alcool, 2.0 MPFI 8V gasolina 99/, 2.0 MPFI 8V flex 03, 2.4 MPFI 16V gasolina 04/>, Blazer 2.2 MPFI Gasolina 95/04, 2.4 MPFI flex 07/>, 2.4 MPFI gasolina 01/, Astra GLS 2.0 MPFI 16V 01/ gasolina, GLS imp. 1.8,2.0 8V 95/96, C20 4.1 97/, Corsa 1.0 MPFI 16V gasolina 95/, 1.0,1.4 EFI 8V gasolina 94/96, 1.6 MPFI 16V gasolina 94/, Novo Corsa 1.0 MPFI flex 06/, Ipanema, Kadett 2.0 MPFI 96/, Monza Classic MPFI <91, Omega GL, GLS 2.0 MPFI gasolina/Alcool 93/95, CD 3.0 MPFI gasolina 93/94, CD, GLS 4.1 MPFI gasolina 95, Suprema CD 3.0 MPFI gasolina 93/94, CD, GLS 4.1 MPFI gasolina 95, GL, GLS 2.0 MPFI alcool, 2.0 MPFI 8V gasolina 93/95, S10 2.2 MPFI gasolina 98/00, 2.4 MPFI gasolina 01/, Vectra CD, GLS 2.0, 2.2 MPFI 8/16V gasolina 97/05, CD, GLS 2.0 MPFI 8V gasolina 94/96, GSI 1.8 MPFI 8V gasolina 94/96, Novo Vectra 2.0 MPFI 8V gasolina/flex 06/, 2.4 MPFI 16V gasolina/flex 06/, Zafira 2.0 MPFI 8/16V gasolina 01/, 2.0 MPFI 8V flex 05/, 1.8 MPFI 8V alcool/gasolina 01/, 2.4 MPFI 16V gasolina 04/.

Hyundai: Ascent imp. 1.5 96/98, Elantra imp. 1.5 93/95, Scoupe imp. 1.8 96/98

Peugeot: 106 imp. 1.0 91/, 305 imp. 1.6,1.8 86/, 309 Eur. 1.6,1.9 85/90, 505 imp. 2.0 90/93,

Renault: R19 imp. 1.6 96/,

Saab: 90,90000 Eur 2.0,2.3,2.5 84/

Seat: Ibiza imp. 1.6 91/92

Volvo: 340,360 imp. 2.0 82/

M12X1,5

4051



9552

90183892 – 7647004 -13460308

GM: Ipanema 2.0 GSI 91, Kadett, Monza 2.0 MPFI 8V 92/95, Gran Blazer, Silverado 4.1 97/01, Omega, Suprema 4.1 95/98, Quantum, Santana LE-Jetronic 93

Fiat: Uno 1.6 MPI 93/94, Uno, Elba 1.6 MPI 8V 94.

Alfa / Ferrari / Lancia: 155 imp. 2.5 92, 164 imp. 2.0 Turbo 87, 164 imp. 3.0 V6 24V

Opel / Vauxhall: Astra Eur. 2.0 16V 92, Omega Eur. Motor 3 84/86.

Volvo: 240 imp. 2.3 88/93, 440, 660, 480 imp. 1.6,1.7,1.8 86, 740, 760, 780 imp. 2.0,2.3,2.8 84, 940, 960 imp. 2.0,2.3,2.8,2.9 90

M12X1,5

4052



9553

02690616112 - 7547977

Fiat: Ducato 2.8 8V Diesel 98/05, Elba 1.5,1.6 SPI 8V 92/96, Fiorino 1.3,1.5,1.6 MPI 8V 96/04
Palio 1.0,1.5,1.6 MPI 8V 96/00, Premio, Duna 1.5,1.6 SPI 8V 92/95, Siena 1.5 MPI, 1.6 SPI 8V 98/00, Strada 1.5 MPI 8V 99/01, Tempra 2.0 SPI 8V, 2.0 MPI 16V 93/99, Tipo 2.0 MPI 16V 94/95, Uno 1.0,1.3,1.5 8V SPI/MPI 02/04.

VW: Gol 1.6,1.8,2.0 8V AP 96/02, Gol GIII 1.6, 1.8,2.0 02/05, Gol GIV 1.6,1.8 MPI 05/>, Logus 1.6,1.8 MI 96/>, Parati 1.6,1.8,2.0 AP 96/02, Parati GIII 1.6,1.8,2.0 02/04, Parati GIV 1.6,1.8 MPI 05/>, Pointer 1.6,1.8 MI 96/>, Polo Classic 1.8 EFI 00/03, Quantum 1.8,2.0 MI 98/>, Santana 1.8,2.0 MI 98/>, Saveiro 1.6,1.8,2.0 MI 96/02, Saveiro GIII 1.6,1.8,2.0 02/05, Saveiro GIV 1.6,1.8 05/>, Van 1.6 EFI 98/03

Renault: Clio 1.2,1.4,1.6 98/>, Espace 2.0 16V 97/>, Kangoo 1.2,1.4 97/>, Laguna 1.6 16V 98/>, Megane 1.8,2.0 96/>, R19 1.8 92/>, Scenic 1.4,1.6,2.0 16V 96/>, Twingo 1.2 96/98

Audi: A6 2.6i, 2.8i V6 94/97

Alfa Romeo: 145, 146 1.9 96/99, 155 1.9 turbo diesel 96/97, 2.0 16V turbo 92/>

M12X1,5

4053



9554

02690616115

VW: Gol, Logus, Saveiro, Voyage, Atlantic, Pointer, Parati todos com carburador eletrônico Gasolina ou alcool 92/>, Kombi furgão, Stand e pick-up 1.6 ar Gasolina e alcool 97/99

M10X1,0

4054



9556

A390269364 – 40554602 - 46554621
7083798 - 55188058

Fiat: Brava 1.6 MPI 16V 02/03, Doblo 1.3 MPI Fire 16V 02/06, 1.6 MPI 16V 04/05, Doblo, Palio, Siena, Strada 1.8 MPI 8V 03/ Palio, Siena 1.0, 1.3 Fire 16V 00/ Palio, Siena, Strada 1.6 16V 01/ Palio, Siena, Strada 1.8 MPI Flex 8V 05/ Uno mille Fire 01



4056

M12X1,0

9556CJ

71716685 – 71719393 - 46824133

Fiat: Fiorino, Palio, Siena, Strada, Uno 1.3 MPI Fire 8V 03/, Idea, Palio, Siena, Strada 1.4 MPI Fire flex 8V 06/ Palio, Siena 1.3 MPI Fire 16V 05/, 1.3 MPI Fire flex 8V 04/05, Palio, Siena, Uno 1.0 MPI Fire 8V 01/, 1.0 MPI Fire flex 8V 06/ Conjunto sensor.



4099

LANÇAMENTO

9559

1920K9 – MVK10002 – 96131480 – 13622242184
60573388

Peugeot: 106 1.0, 1.1, 1.4 8V gasolina 96/>, 206 1.4 8V 00/>, 207 1.4i 8V gasolina 98/>, 208 1.6i 8V gasolina 98/00, 306 1.4, 1.6 8V Gasolina 94/01, 405 1.8, 2.0 93/>, 806 2.0 94/>, Partner 1.1, 1.4 8V gasolina 96/>
Rover: Land Rover
Citroen: Berlingo 1.1i 8V 96/>, Evasion, Jumper 2.0 94/> Saxo 1.0, 1.1, 1.4, 1.6 8/16V 96/03, Xantia 1.6, 1.8, 2.0 93/>, Xsara 1.4, 1.6 8V 97/05, Xsara Picasso 1.6 8V 00/
BMW: 324, 524 2.5 83/, 325 D 2.5 90/98
Alfa Romeo: 145, 146 1.4i, 1.6i, 1.8i, 2.0i 16V 94/99, 155 1.6i, 1.8i, 2.0i 16V 95/97, 156 1.6i 16V 2.5i 24V 97/, 164 2.5 87/98, Spider 2.0i 86/97



4059

M12X1,5

9561

96FB10884AA

Ford: Courier, Fiesta Endura-E 1.0, 1.3 96/99



4061

1/8" NPTF

9563

46414596

Fiat: Brava 1.6 MPI 16V 00/01/ Palio, Siena, Strada 1.6 MPI 16V 96/00



4063

M12X1,5

9569

133847

Citroen: AX 1.5 94/, Berlingo 1.8, 1.9 96/, Jumper 2.5 94/, Xantia 2.1 95/

Peugeot: 406 2.0, 3.0 96/



4069

M14X1,25

9578

180137 - 99455420

Fiat: Ducato cargo 2.8 8V 06/, Combinato, Maxicargo, Cargo, Minibus, Multi 2.8 turbo JTD 8V 06/,



4078

M12X1,5

9599

3915329

Komatsu: Trator com motor Cummins



1/2" NPTF

9900

234736

Scania: caminhões 111



NF
M12X1,5



6611

9901

314572

Scania: Caminhões 112 10 marchas até 91.

NF
M12x1,5
M24x1,0



6612

9902

370710 - 1472739

Scania: Caminhões 113

NF
M18X1,5
M27X1,0



6613

9903

8422098001

Toyota: Bandeirante Pick-up, Jipe todos os modelos.

NA
M25X1,5



6614

9904

714410 - 42531807 - 9S1110TD - 6S1010B0 - 16S2280T0 - 16S1685TD - 1662939 - 2T0919823 - 0501210058

Iveco: Eurotech 450E37, Stralis, Tector Stradale 240E25S

Man: 15-190 E0D, 17-230 E0D, 17-260, E0D, 26-280, 17-280, 24-280, 19-400, 25-400, 26-400, 31-400

Volvo: FH 12, NH 12.

VW: Caminhões Constellation, 8-160E, 18-310, 19-320, 19-320 e 25-320E, 31-320E, 31-320, 19-370, 25-370, 31-370.

ZF: Caixas 16S-1650, S5-420, 16S-221, 9S-1110TD, 16S-2320TD, 6S-1010B0, 16S-2280T0, 16S-1685TD

NA
M18X1,5



6616

9905

1662906

Volvo: Caminhões e Onibus

NF
M18X1,5
M27X1,0



6622

9906

93190310 - 21203401

Fiat Iveco: Caminhões

NF
M18X1,5
M27X1,0



9907

A004545611 - 0501216473

Mercedes Benz: Onibus e caminhões, LO914, 712C, 914C, 1215C.

NF
M18X1,5
M27X1,0



4475

9908

2R0919823 - 0501398870 - A0065455414

VW: Caminhões 9-150

ZF: Caixas 5S-580 T0, S5-420

Mercedes Benz: Accelo 815, Accelo 1016

NF
M18X1,5



6619

9909

A0055450014 – A0065454814
0501210295

Mercedes Benz: Caminhões 712C, 914C, 1215C posição neutro. Onibus LO 914.
ZF: Caixa ZF S5-42

NF
M18X1,5
M27X1,0



6620

9910

2R0941521A – 0501398869
0501210785 – A0005459406

VW: Caminhões

Mercedes Benz: Accelo 815, LO815,
ZF: Caixa de cambio

NA
M18X1,5



4456

9911

1662762 – 212001278 – A0015451614 - 0501311807 - 0501305443

Volvo: N10, N12.

Randon: RK 425, RK 430.

Mercedes Benz: Caminhões 1524,1525,1622,1638,1638S,1718K,1929,1932,1933,1934,2423B,2423K,L1632, L1634,L1638,L1935,L1938,L1942,L2638,LK1218,LK1418,LK1620,LK2638,LS1632,LS1634,LS1638,LS1942,LS2638, LKS2638,HPN1625,HPN2325

Scania: LT110,LT111,LS110,LS111

ZF: Caixas 9S-75,8S-1350,16S-1300,16S-1600 16S-1650,S5-680,S6-680.

NA
M18X1,5
M27X1,0



4449

9912

A0045456114 - 0501311809

Mercedes Benz: Caminhões Accelo, 712C, 914, LO914, 914C, 1215C eletrônico cambio ZF
Diversos: Todos os veículos com caixa ZF S5-42.

NA
M18X1,5
M27X1,0



4450

9913

A0005457206 – 0768300314 - 0768311811

Mercedes Benz: Caminhões e Onibus 0400, 0400 SER/RSD, 0500R.
ZF: Caixas ZF 8 S-180, S6-1550

NA
M20X1,5
M30X1,0



6621

9914

20583412 – 20593416 – A0055459214
A0065540414

Mercedes Benz: Caminhões

Volvo: Caminhões e Onibus

NA
M16X1,5



6618

9916

2W0300041L – 8851738 – 503346900
5033498940 – 5801313639 – 5801313638
2T2300041H – A3842606700

Fiat-Iveco: Caminhões com cambio ZF 0501216474

Mercedes Benz: com cambio ZF 0501216474

VW: Caminhões com cambio ZF 0501216474

MAN: com cambio ZF 0501216474

NF
M18x1,5



9917

BH1X4S062AA

Ford: Cargo 1717E

NA
M16x1,5



9928

A0005450364 – A0005452614
2T2919457A - 0501215297

Mercedes Benz: Onibus 0500R, OF1732, 0400SER/RSD, OF1417, OF1418, OF1721 e caminhão L1718.

ZF: Caixas S6 1550, S5 680 SS0, 16S 1650, 16S1685 TD, 16S 2280 TO, 16S 2180 TO BR

NF
M18X1,5



6628

9934

2T2919457B

VW: Caminhões Constellation 06/ , Onibus Euro 5 motor MWM 12/ com cambio ZF

NF
M18X1,5



6634

9936

2S0941503

VW: Constellation

NA
M16x1,5



6636

9940

Schacman: Caminhões

NF
M18X1,5
M27X1,0



9941

Schacman: Caminhões

NF
M12X1,0
M27X1,0

for



9942

Schacman: Caminhões

NA
M18X1,5
M27X1,0



9943

Schacman: Caminhões

NA
M18X1,5
M27X1,0

